



The State of New Hampshire  
**Department of Environmental Services**



**Michael P. Nolin**  
Commissioner

**AGGREGATED PRECIPITATION DATA for N.H.**  
**DROUGHT MANAGEMENT AREAS**

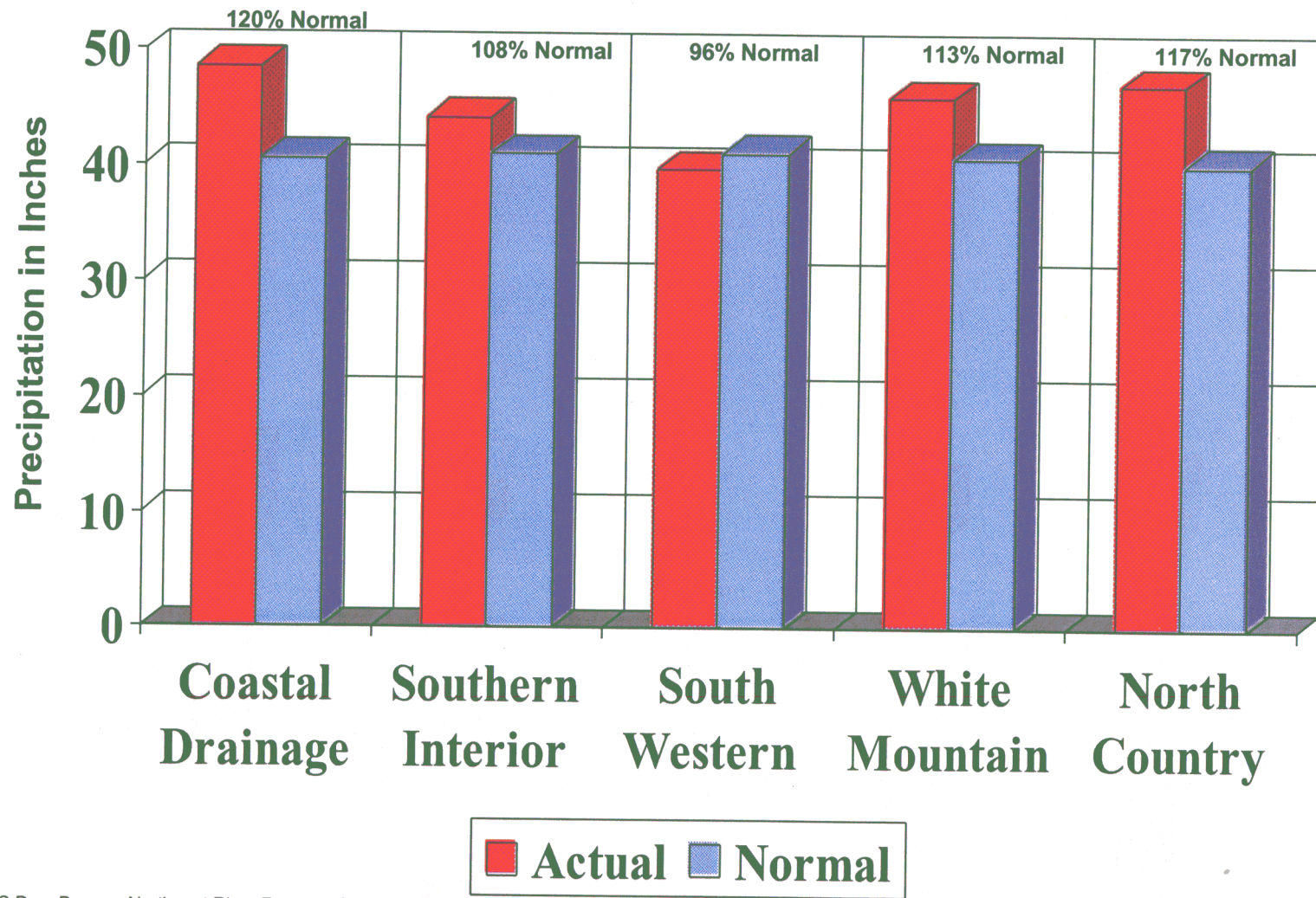
|  | Actual<br>Rainfall<br>(inches) | Normal<br>Rainfall<br>(inches) | Deviation<br>from<br>Normal<br>(inches) | Percent<br>of<br>Normal |
|--|--------------------------------|--------------------------------|---|-------------------------|
| <u><b>Coastal Drainage:</b></u> Rockingham, Strafford counties             |                                |                                |   |                         |
| four month   | 17.24                          | 12.84                          | 4.40                                    | 134%                    |
| six month  | 23.74                          | 19.90                          | 3.84                                    | 119%                    |
| nine month   | 36.99                          | 30.96                          | 6.03                                    | 119%                    |
| twelve month   | 48.51                          | 40.56                          | 7.95                                    | 120%                    |
| <u><b>Southern Interior:</b></u> Belknap, Hillsborough, Merrimack counties |                                |                                |   |                         |
| four month   | 14.56                          | 12.99                          | 1.57                                    | 112%                    |
| six month  | 20.87                          | 20.07                          | 0.80                                    | 104%                    |
| nine month   | 32.97                          | 31.03                          | 1.95                                    | 106%                    |
| twelve month   | 44.19                          | 41.08                          | 3.11                                    | 108%                    |
| <u><b>South Western:</b></u> Cheshire, Sullivan counties                   |                                |                                |   |                         |
| four month   | 11.73                          | 13.14                          | -1.41                                   | 89%                     |
| six month  | 17.33                          | 20.08                          | -2.76                                   | 86%                     |
| nine month   | 29.67                          | 30.82                          | -1.16                                   | 96%                     |
| twelve month   | 39.74                          | 41.18                          | -1.45                                   | 96%                     |
| <u><b>White Mountain:</b></u> Carroll, Grafton counties                    |                                |                                |   |                         |
| four month   | 11.94                          | 12.46                          | -0.53                                   | 96%                     |
| six month  | 18.97                          | 19.08                          | -0.12                                   | 99%                     |
| nine month   | 34.55                          | 29.88                          | 4.67                                    | 116%                    |
| twelve month   | 45.98                          | 40.66                          | 5.32                                    | 113%                    |
| <u><b>North Country:</b></u> Coos county                                   |                                |                                |   |                         |
| four month   | 10.89                          | 11.60                          | -0.71                                   | 94%                     |
| six month  | 18.60                          | 17.76                          | 0.84                                    | 105%                    |
| nine month   | 34.95                          | 28.12                          | 6.83                                    | 124%                    |
| twelve month   | 47.12                          | 40.24                          | 6.88                                    | 117%                    |

four month period : Feb 2004 - May 2004  
six month period : Dec 2003 - May 2004  
nine month period : Sep 2003 - May 2004  
twelve month period: June 2003 - May 2004

Source: Northeast River Forecast Center, NH Des Dam Bureau

**P.O. Box 95, 29 Hazen Drive, Concord, New Hampshire 03302-0095**  
Telephone: (603) 271-3503 • Fax: (603) 271-7894 • TDD Access: Relay NH 1-800-735-2964  
DES Web site: [www.des.nh.gov](http://www.des.nh.gov)

# TWELVE MONTH AGGREGATED PRECIPITATION DATA for N.H. DROUGHT MANAGEMENT AREAS from June 2003 through May 2004



# MONTHLY PRECIPITATION DATA FOR N.H. COUNTIES



|                          |           | 2003  |       |      |      |       |       |      | 2004  |       |       |       |      |
|--------------------------|-----------|-------|-------|------|------|-------|-------|------|-------|-------|-------|-------|------|
|                          |           | JUNE  | JULY  | AUG  | SEPT | OCT   | NOV   | DEC  | JAN   | FEB   | MARCH | APRIL | MAY  |
| <u>Coastal drainage</u>  |           |       |       |      |      |       |       |      |       |       |       |       |      |
| STRAFFORD                | actual    | 2.88  | 1.90  | 5.77 | 5.69 | 5.63  | 2.56  | 5.64 | 0.70  | 1.34  | 1.50  | 8.23  | 6.68 |
|                          | normal    | 3.04  | 3.12  | 3.28 | 3.32 | 3.48  | 4.12  | 3.76 | 3.12  | 2.72  | 3.20  | 3.40  | 3.28 |
|                          | deviation | -0.16 | -1.22 | 2.49 | 2.37 | 2.15  | -1.56 | 1.88 | -2.42 | -1.38 | -1.70 | 4.83  | 3.40 |
| ROCKINGHAM               | actual    | 2.88  | 1.95  | 7.66 | 4.64 | 5.15  | 2.83  | 5.67 | 1.00  | 1.25  | 1.67  | 8.44  | 5.36 |
|                          | normal    | 3.12  | 3.20  | 3.44 | 3.40 | 3.56  | 4.24  | 3.92 | 3.32  | 2.84  | 3.40  | 3.44  | 3.40 |
|                          | deviation | -0.24 | -1.25 | 4.22 | 1.24 | 1.59  | -1.41 | 1.75 | -2.32 | -1.59 | -1.73 | 5.00  | 1.96 |
| Average                  | actual    | 2.88  | 1.93  | 6.72 | 5.17 | 5.39  | 2.70  | 5.66 | 0.85  | 1.30  | 1.59  | 8.34  | 6.02 |
|                          | normal    | 3.08  | 3.16  | 3.36 | 3.36 | 3.52  | 4.18  | 3.84 | 3.22  | 2.78  | 3.30  | 3.42  | 3.34 |
|                          | deviation | -0.20 | -1.24 | 3.36 | 1.81 | 1.87  | -1.49 | 1.82 | -2.37 | -1.49 | -1.72 | 4.92  | 2.68 |
| <u>Southern Interior</u> |           |       |       |      |      |       |       |      |       |       |       |       |      |
| HILLSBOROUGH             | actual    | 2.78  | 1.73  | 5.81 | 4.64 | 4.33  | 2.45  | 5.63 | 1.00  | 1.20  | 1.39  | 8.25  | 4.27 |
|                          | normal    | 3.36  | 3.32  | 3.68 | 3.60 | 3.72  | 4.32  | 4.16 | 3.60  | 3.16  | 3.88  | 3.56  | 3.52 |
|                          | deviation | -0.58 | -1.59 | 2.13 | 1.04 | 0.61  | -1.87 | 1.47 | -2.60 | -1.96 | -2.49 | 4.69  | 0.75 |
| MERRIMACK                | actual    | 2.01  | 2.52  | 7.38 | 5.39 | 4.65  | 2.62  | 5.83 | 0.74  | 1.18  | 1.40  | 7.36  | 5.71 |
|                          | normal    | 3.20  | 3.28  | 3.44 | 3.36 | 3.44  | 4.00  | 3.92 | 3.16  | 2.84  | 3.40  | 3.36  | 3.36 |
|                          | deviation | -1.19 | -0.76 | 3.94 | 2.03 | 1.21  | -1.38 | 1.91 | -2.42 | -1.66 | -2.00 | 4.00  | 2.35 |
| BELKNAP                  | actual    | 1.58  | 2.10  | 7.73 | 4.77 | 4.38  | 3.09  | 5.26 | 0.47  | 0.76  | 1.06  | 5.80  | 5.29 |
|                          | normal    | 3.16  | 3.44  | 3.28 | 3.36 | 3.28  | 3.80  | 3.48 | 2.92  | 2.44  | 2.92  | 3.24  | 3.28 |
|                          | deviation | -1.58 | -1.34 | 4.45 | 1.41 | 1.10  | -0.71 | 1.78 | -2.45 | -1.68 | -1.86 | 2.56  | 2.01 |
| Average                  | actual    | 2.12  | 2.12  | 6.97 | 4.93 | 4.45  | 2.72  | 5.57 | 0.74  | 1.05  | 1.28  | 7.14  | 5.09 |
|                          | normal    | 3.24  | 3.35  | 3.47 | 3.44 | 3.48  | 4.04  | 3.85 | 3.23  | 2.81  | 3.40  | 3.39  | 3.39 |
|                          | deviation | -1.12 | -1.23 | 3.51 | 1.49 | 0.97  | -1.32 | 1.72 | -2.49 | -1.77 | -2.12 | 3.75  | 1.70 |
| <u>South Western</u>     |           |       |       |      |      |       |       |      |       |       |       |       |      |
| CHESHIRE                 | actual    | 2.11  | 2.17  | 5.72 | 4.90 | 3.11  | 2.85  | 4.39 | 0.83  | 0.94  | 1.13  | 4.92  | 4.87 |
|                          | normal    | 3.44  | 3.28  | 3.68 | 3.52 | 3.36  | 3.84  | 3.76 | 3.28  | 2.80  | 3.48  | 3.40  | 3.44 |
|                          | deviation | -1.33 | -1.11 | 2.04 | 1.38 | -0.25 | -0.99 | 0.63 | -2.45 | -1.86 | -2.35 | 1.52  | 1.43 |
| SULLIVAN                 | actual    | 1.88  | 2.18  | 6.08 | 5.67 | 4.66  | 3.49  | 5.29 | 0.68  | 1.11  | 1.14  | 4.79  | 4.56 |
|                          | normal    | 3.36  | 3.32  | 3.64 | 3.44 | 3.48  | 3.84  | 3.72 | 3.12  | 2.80  | 3.36  | 3.44  | 3.56 |
|                          | deviation | -1.48 | -1.14 | 2.44 | 2.23 | 1.18  | -0.35 | 1.57 | -2.44 | -1.69 | -2.22 | 1.35  | 1.00 |
| Average                  | actual    | 2.00  | 2.18  | 5.90 | 5.29 | 3.89  | 3.17  | 4.84 | 0.76  | 1.03  | 1.14  | 4.86  | 4.72 |
|                          | normal    | 3.40  | 3.30  | 3.66 | 3.48 | 3.42  | 3.84  | 3.74 | 3.20  | 2.80  | 3.42  | 3.42  | 3.50 |
|                          | deviation | -1.41 | -1.13 | 2.24 | 1.81 | 0.47  | -0.67 | 1.10 | -2.45 | -1.78 | -2.29 | 1.44  | 1.22 |
| <u>White Mountain</u>    |           |       |       |      |      |       |       |      |       |       |       |       |      |
| GRAFTON                  | actual    | 2.08  | 4.25  | 5.16 | 5.15 | 5.29  | 3.76  | 6.36 | 0.58  | 0.85  | 1.11  | 3.64  | 5.31 |
|                          | normal    | 3.48  | 3.84  | 3.64 | 3.48 | 3.48  | 3.76  | 3.64 | 2.92  | 2.60  | 3.04  | 3.24  | 3.56 |
|                          | deviation | -1.40 | 0.41  | 1.52 | 1.67 | 1.81  | 0.00  | 2.72 | -2.34 | -1.75 | -1.93 | 0.40  | 1.75 |
| CARROLL                  | actual    | 2.35  | 2.91  | 6.10 | 5.80 | 7.02  | 4.15  | 6.52 | 0.60  | 1.36  | 1.17  | 5.21  | 5.22 |
|                          | normal    | 3.44  | 3.68  | 3.48 | 3.44 | 3.52  | 3.92  | 3.68 | 3.00  | 2.60  | 3.08  | 3.32  | 3.48 |
|                          | deviation | -1.09 | -0.77 | 2.62 | 2.36 | 3.50  | 0.23  | 2.84 | -2.40 | -1.24 | -1.91 | 1.89  | 1.74 |
| Average                  | actual    | 2.22  | 3.58  | 5.63 | 5.48 | 6.16  | 3.96  | 6.44 | 0.59  | 1.11  | 1.14  | 4.43  | 5.27 |
|                          | normal    | 3.46  | 3.76  | 3.56 | 3.46 | 3.50  | 3.84  | 3.66 | 2.96  | 2.60  | 3.06  | 3.28  | 3.52 |
|                          | deviation | -1.25 | -0.18 | 2.07 | 2.02 | 2.66  | 0.12  | 2.78 | -2.37 | -1.50 | -1.92 | 1.15  | 1.75 |
| <u>North Country</u>     |           |       |       |      |      |       |       |      |       |       |       |       |      |
| COOS                     | actual    | 3.64  | 4.20  | 4.33 | 4.71 | 6.95  | 4.69  | 6.85 | 0.86  | 1.37  | 1.52  | 3.20  | 4.80 |
|                          | normal    | 4.16  | 3.96  | 4.00 | 3.40 | 3.48  | 3.48  | 3.44 | 2.72  | 2.48  | 2.76  | 3.04  | 3.32 |
|                          | deviation | -0.52 | 0.24  | 0.33 | 1.31 | 3.47  | 1.21  | 3.41 | -1.86 | -1.11 | -1.24 | 0.16  | 1.48 |

Source: Northeast River Forecast Center, NH DES Dam Bureau

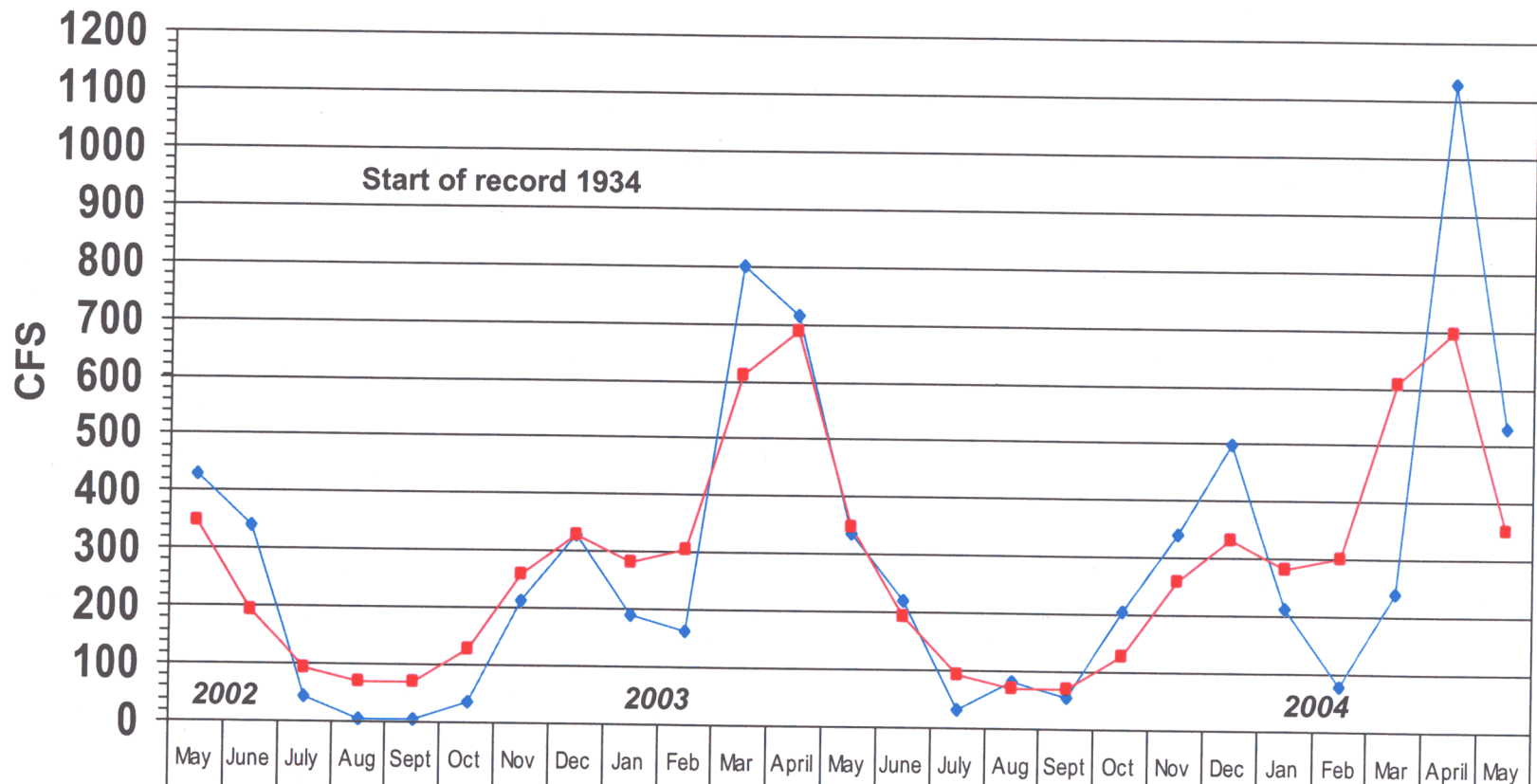


# LAMPREY RIVER near NEWMARKET NH

## Gage# 01073500



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



|                        | May  | June | July | Aug | Sept | Oct | Nov | Dec  | Jan | Feb | Mar  | April | May | June | July | Aug  | Sept | Oct  | Nov  | Dec  | Jan | Feb | Mar | April | May  |
|------------------------|------|------|------|-----|------|-----|-----|------|-----|-----|------|-------|-----|------|------|------|------|------|------|------|-----|-----|-----|-------|------|
| Monthly Mean Flow      | 427  | 338  | 41   | 5   | 5    | 36  | 211 | 329  | 189 | 161 | 799  | 712   | 337 | 220  | 32   | 80   | 53   | 206  | 338  | 498  | 212 | 79  | 241 | 1125  | 529  |
| Mean of Monthly Flow s | 348  | 192  | 93   | 70  | 70   | 127 | 259 | 328  | 282 | 303 | 610  | 687   | 348 | 192  | 92   | 70   | 70   | 128  | 260  | 330  | 281 | 300 | 605 | 694   | 351  |
| % of Normal            | 123% | 176% | 44%  | 7%  | 7%   | 28% | 81% | 100% | 67% | 53% | 131% | 104%  | 97% | 115% | 35%  | 114% | 76%  | 161% | 130% | 151% | 75% | 26% | 40% | 162%  | 151% |

NH DES, Dam Bureau, Source: USGS (Ice: 12/02, 01/03)

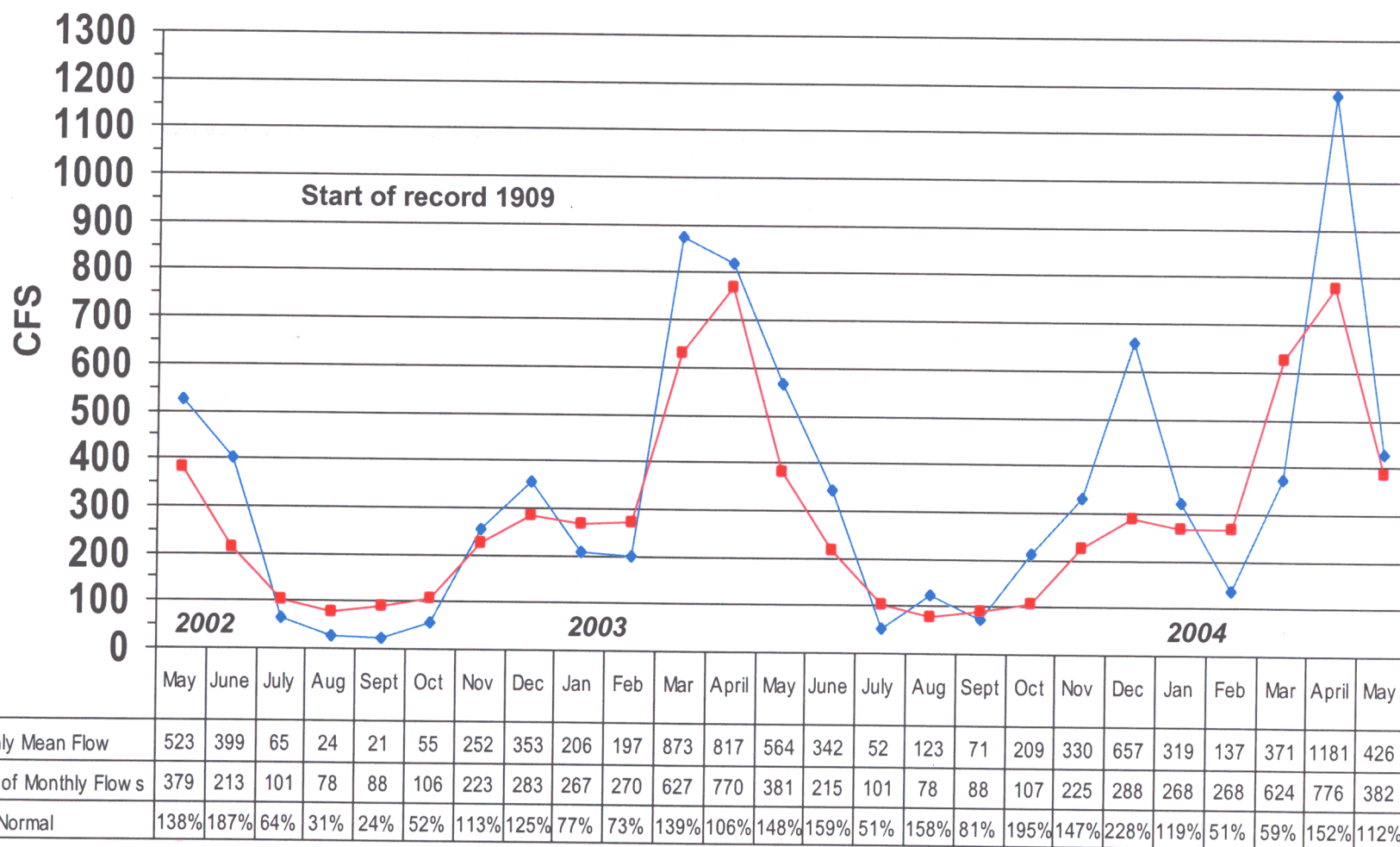


# SOUHEGAN RIVER at MERRIMACK NH

## Gage# 01094000



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS

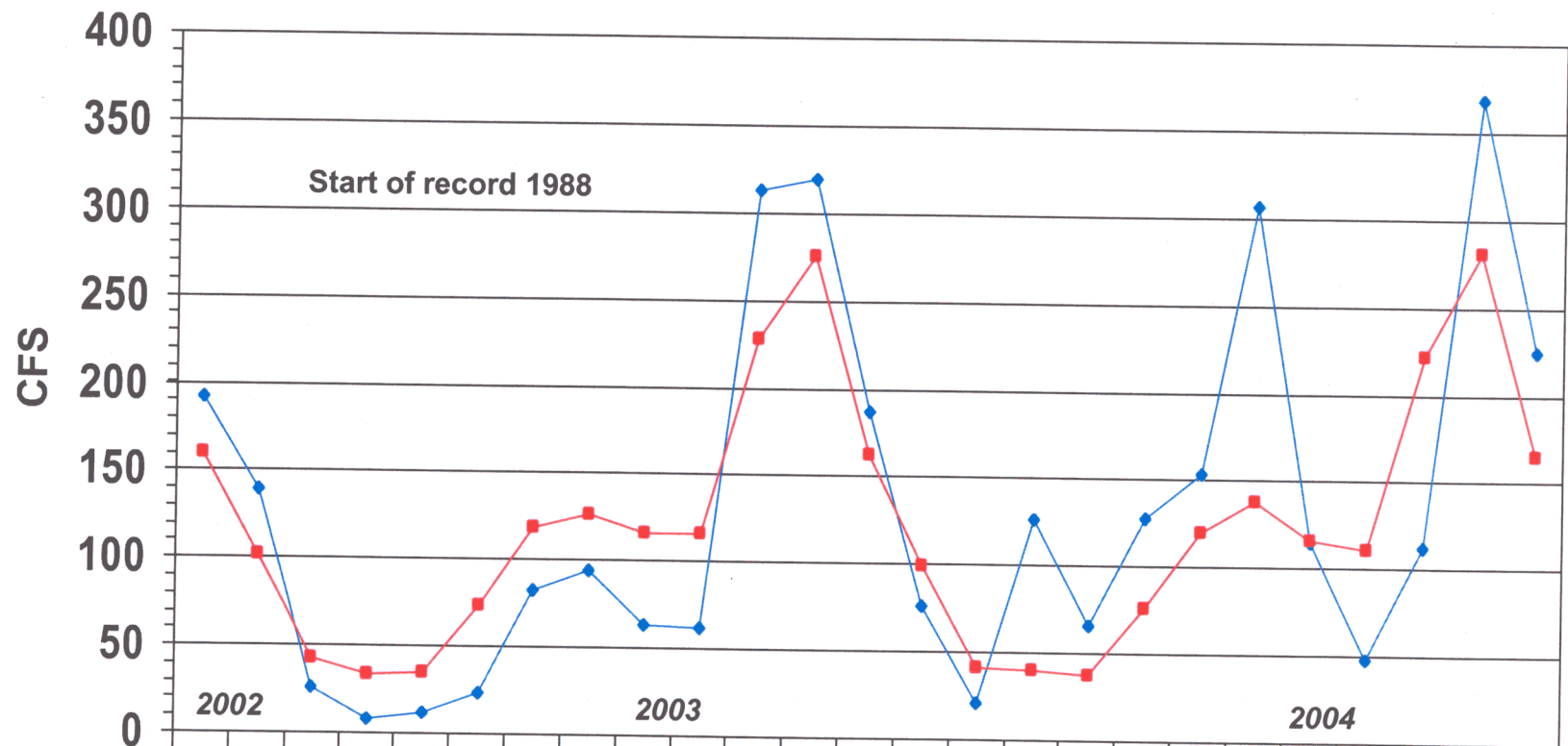


NH DES, Dam Bureau, Source: USGS (ice-12/02,01/03,02/03,03/03,01/04,02/04)

# SOUCOOK RIVER at PEMBROKE ROAD near CONCORD NH, Gage# 01089100



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



|                        | May  | June | July | Aug | Sept | Oct | Nov | Dec | Jan | Feb | Mar  | April | May  | June | July | Aug  | Sept | Oct  | Nov  | Dec  | Jan | Feb | Mar | April | May  |
|------------------------|------|------|------|-----|------|-----|-----|-----|-----|-----|------|-------|------|------|------|------|------|------|------|------|-----|-----|-----|-------|------|
| Monthly Mean Flow      | 191  | 139  | 26   | 8   | 11   | 23  | 82  | 94  | 63  | 62  | 313  | 319   | 186  | 76   | 20   | 126  | 66   | 127  | 153  | 306  | 115 | 47  | 112 | 368   | 224  |
| Mean of Monthly Flow s | 160  | 101  | 43   | 34  | 35   | 73  | 118 | 126 | 116 | 116 | 228  | 275   | 162  | 99   | 41   | 40   | 37   | 76   | 120  | 138  | 116 | 111 | 221 | 281   | 165  |
| % of Normal            | 119% | 138% | 60%  | 24% | 31%  | 32% | 69% | 75% | 54% | 53% | 137% | 116%  | 115% | 77%  | 49%  | 315% | 178% | 166% | 128% | 222% | 99% | 42% | 51% | 133%  | 136% |

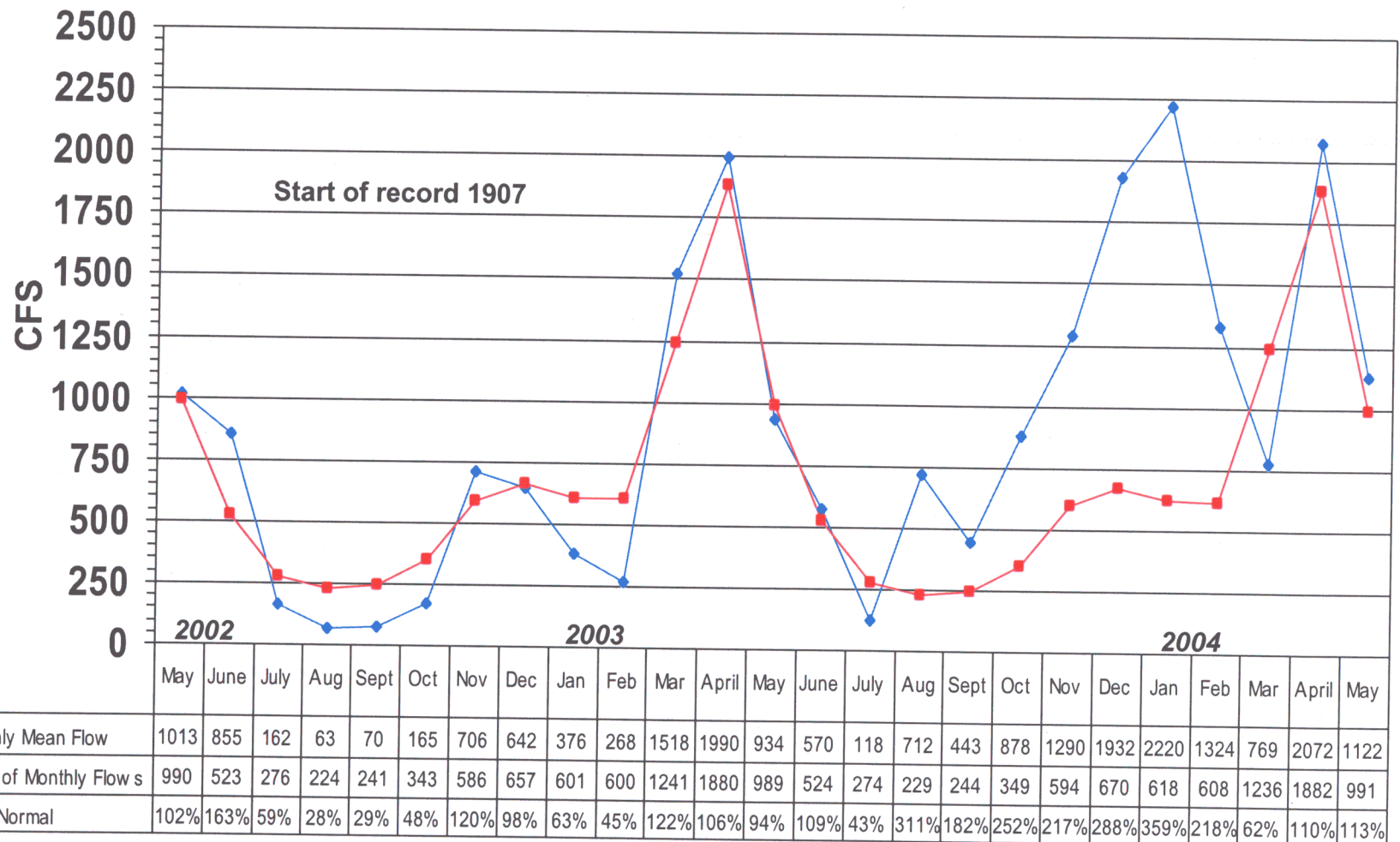
NH DES, Dam Bureau, Source: USGS (ice: 11/02,12/02,01/03, 02/03, 03/03, 01/04, 02/04, 03/04).

# ASHUELOT RIVER at HINSDALE NH

## Gage# 01161000



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



NH DES, Dam Bureau, Source: USGS (ice: 12/02,01/03,02/03,03/03,01/04,02/04,03/04)

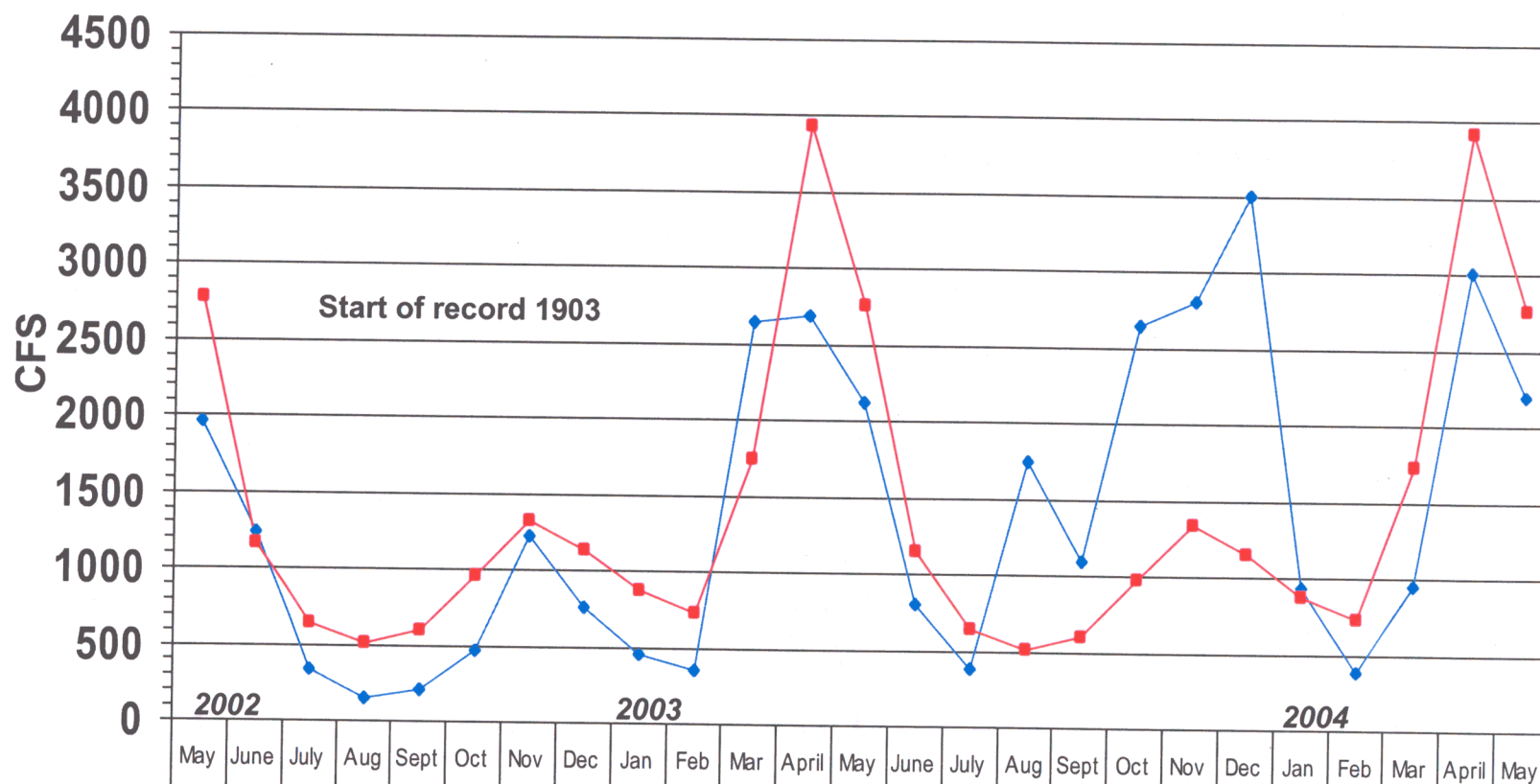


# PEMIGEWASSET RIVER at PLYMOUTH NH

## Gage# 01076500



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



|                        | May  | June | July | Aug | Sept | Oct | Nov  | Dec  | Jan | Feb | Mar  | April | May  | June | July | Aug  | Sept | Oct  | Nov  | Dec  | Jan  | Feb | Mar  | April | May  |
|------------------------|------|------|------|-----|------|-----|------|------|-----|-----|------|-------|------|------|------|------|------|------|------|------|------|-----|------|-------|------|
| Monthly Mean Flow      | 1961 | 1239 | 327  | 148 | 198  | 458 | 1219 | 751  | 448 | 348 | 2641 | 2683  | 2116 | 799  | 380  | 1737 | 1083 | 2644 | 2800 | 3495 | 936  | 380 | 949  | 3009  | 2191 |
| Mean of Monthly Flow s | 2768 | 1155 | 637  | 501 | 590  | 953 | 1327 | 1129 | 868 | 730 | 1736 | 3933  | 2762 | 1152 | 635  | 513  | 595  | 970  | 1342 | 1152 | 869  | 726 | 1728 | 3924  | 2756 |
| % of Normal            | 71%  | 107% | 51%  | 30% | 34%  | 48% | 92%  | 67%  | 52% | 48% | 152% | 68%   | 77%  | 69%  | 60%  | 339% | 182% | 271% | 209% | 303% | 108% | 52% | 55%  | 77%   | 79%  |

NH DES, Dam Bureau, Source: USGS (ice: 12/02,01/03,02/03,03/03,12/03,01/04,02/04,03/04)

# STREAMFLOW DATA FOR SELECTED NH STATIONS AS OF JUNE 3, 2004



| Station number                  | Station name                                       | Est. Mean Flow (cfs) 6/3/2004 | Long Term Median Flow 6/3/2004 | 99% Flow (cfs) | 7Q10 Flow (cfs) | Lowest Period of Record Daily Flow (cfs) | % of Median | Below 0.99 Flow? | Below 7Q10 Flow? | Below Record Flow? |
|---------------------------------|--|-------------------------------|--------------------------------|----------------|-----------------|--|-------------|------------------|------------------|--------------------|
| <b>Androscoggin River Basin</b> |  |                               |                                |                |                 |  |             |                  |                  |                    |
| 01052500                        | Diamond River near Wentworth Location, NH          | 605                           | 280                            | 22             | 16              | 6.8                                      | 216%        | FALSE            | FALSE            | FALSE              |
| 01053500                        | Androscoggin River at Errol, NH                    | 1,930                         | 1,790                          | 500            | 451             | 0  | 108%        | FALSE            | FALSE            | FALSE              |
| 01054000                        | Androscoggin River near Gorham, NH                 | 2,820                         | 2,365                          | 1300           | 1310            | 795                                      | 119%        | FALSE            | FALSE            | FALSE              |
| <b>Saco River Basin</b>         |  |                               |                                |                |                 |  |             |                  |                  |                    |
| 01064500                        | Saco River near Conway, NH                         | 1,170                         | 836                            | 105            | 97              | 66                                       | 140%        | FALSE            | FALSE            | FALSE              |
| 01064801                        | BEARCAMP RIVER AT SOUTH TAMWORTH, NH               | 165                           | 71                             | 6              | 4.8             | 4.5                                      | 232%        | FALSE            | FALSE            | FALSE              |
| <b>Piscataqua River Basin</b>   |  |                               |                                |                |                 |  |             |                  |                  |                    |
| 01072100                        | SALMON FALLS RIVER AT MILTON, NH                   | 222                           | 108                            | 27             | 24              | 16                                       | 206%        | FALSE            | FALSE            | FALSE              |
| 01073500                        | LAMPREY RIVER NEAR NEWMARKET, NH                   | 456                           | 176                            | 7              | 5               | —  | 259%        | FALSE            | FALSE            | FALSE              |
| <b>Merrimack River Basin</b>    |  |                               |                                |                |                 |  |             |                  |                  |                    |
| 01074520                        | EAST BRANCH PEMIGEWASSET RIVER AT LINCOLN, NH      | 436                           | 314                            | 55             | 49              | 46                                       | 139%        | FALSE            | FALSE            | FALSE              |
| 01075000                        | PEMIGEWASSET RIVER AT WOODSTOCK, NH                | 765                           | 536                            | 65             | 56              | —  | 143%        | FALSE            | FALSE            | FALSE              |
| 01076000                        | BAKER RIVER NEAR RUMNEY, NH                        | 328                           | 162                            | 18             | 15              | —  | 202%        | FALSE            | FALSE            | FALSE              |
| 01076500                        | PEMIGEWASSET RIVER AT PLYMOUTH, NH                 | 1,900                         | 1,125                          | 130            | 118             | 45                                       | 169%        | FALSE            | FALSE            | FALSE              |
| 01078000                        | SMITH RIVER NEAR BRISTOL, NH                       | 185                           | 86                             | 7              | 6.2             | 2.7                                      | 215%        | FALSE            | FALSE            | FALSE              |
| 01081000                        | WINNIPESAUKEE RIVER AT TILTON, NH                  | 1,270                         | 682                            | 143            | 136             | 48                                       | 186%        | FALSE            | FALSE            | FALSE              |
| 01081500                        | MERRIMACK RIVER AT FRANKLIN JUNCTION, NH           | 4,140                         | 2,550                          | 520*           | 551             | —  | 162%        | FALSE            | FALSE            | FALSE              |
| 01082000                        | CONTOOCOOK RIVER AT PETERBOROUGH, NH               | 99                            | 124                            | 5.5            | 6.3             | —  | —           | FALSE            | FALSE            | FALSE              |
| 01085000                        | CONTOOCOOK RIVER NEAR HENNIKER, NH                 | 633                           | 441                            | 40             | 37              | —  | 144%        | FALSE            | FALSE            | FALSE              |
| 01085500                        | CONTOOCOOK R BL HOPKINTON DAM AT W HOPKINTON, NH   | 704                           | 447                            | 35             | 39              | —  | 157%        | FALSE            | FALSE            | FALSE              |
| 01086000                        | WARNER RIVER AT DAVISVILLE, NH                     | 254                           | 227                            | 6              | 5.3             | —  | 112%        | FALSE            | FALSE            | FALSE              |
| 01087000                        | BLACKWATER RIVER NEAR WEBSTER, NH                  | 815                           | 157                            | 15.5           | 13.7            | —  | 519%        | FALSE            | FALSE            | FALSE              |
| 01090800                        | PISCATAQUOG RIVER BL EVERETT DAM, NR E WEARE, NH   | 108                           | 47                             | 1.7            | 1.2             | —  | 230%        | FALSE            | FALSE            | FALSE              |
| 01091500                        | PISCATAQUOG RIVER NEAR GOFFSTOWN, NH               | 392                           | 241                            | 8              | 8.8             | —  | 163%        | FALSE            | FALSE            | FALSE              |
| 01092000                        | MERRIMACK R NR GOFFS FALLS, BELOW MANCHESTER, NH   | 7,110                         | 4,410                          | 560*           | 644             | 98*                                      | 161%        | FALSE            | FALSE            | FALSE              |
| 01094000                        | SOUHEGAN RIVER AT MERRIMACK, NH                    | 311                           | 165                            | 15             | 12.9            | —  | 188%        | FALSE            | FALSE            | FALSE              |
| <b>Connecticut River Basin</b>  |  |                               |                                |                |                 |  |             |                  |                  |                    |
| 01129200                        | CONNECTICUT R BELOW INDIAN STREAM NR PITTSBURG, NH | 502                           | 242                            | 50             | 42              | 30                                       | 207%        | FALSE            | FALSE            | FALSE              |
| 01129440                        | MOHAWK RIVER NEAR COLEBROOK NH                     | 73                            | 47                             | 8.5            | 7.4             | 5.3                                      | 155%        | FALSE            | FALSE            | FALSE              |
| 01129500                        | CONNECTICUT RIVER AT NORTH STRATFORD, NH           | 2,410                         | 1,060                          | 220            | 176             | 108                                      | 227%        | FALSE            | FALSE            | FALSE              |
| 01130000                        | UPPER AMMONOOSUC RIVER NEAR GROVETON, NH           | 739                           | 412                            | 55             | 49              | 32                                       | 179%        | FALSE            | FALSE            | FALSE              |
| 01131500                        | CONNECTICUT RIVER NEAR DALTON, NH                  | 4,860                         | 2,410                          | 410            | 389             | 115                                      | 202%        | FALSE            | FALSE            | FALSE              |
| 01137500                        | AMMONOOSUC RIVER AT BETHLEHEM JUNCTION, NH         | 263                           | 210                            | 32             | 28              | 21                                       | 125%        | FALSE            | FALSE            | FALSE              |
| 01138500                        | CONNECTICUT RIVER AT WELLS RIVER, VT               | 4,840                         | 5,010                          | 480*           | 690             | 152*                                     | 97%         | FALSE            | FALSE            | FALSE              |
| 01144500                        | CONNECTICUT RIVER AT WEST LEBANON, NH              | 10,900                        | 6,525                          | 380*           | 902             | 82*                                      | 167%        | FALSE            | FALSE            | FALSE              |
| 01145000                        | MASCOMA RIVER AT WEST CANAAN, NH                   | 134                           | 102                            | 5.6            | 4.4             | —  | 131%        | FALSE            | FALSE            | FALSE              |
| 01150500                        | MASCOMA RIVER AT MASCOMA, NH                       | 308                           | 164                            | 27             | 26              | 2  | 188%        | FALSE            | FALSE            | FALSE              |
| 01152500                        | SUGAR RIVER AT WEST CLAREMONT, NH                  | 578                           | 275                            | 40             | 38              | 14                                       | 210%        | FALSE            | FALSE            | FALSE              |
| 01154500                        | CONNECTICUT RIVER AT NORTH WALPOLE, NH             | 10,300                        | 9,335                          | 260*           | 1058            | 115*                                     | 110%        | FALSE            | FALSE            | FALSE              |
| 01158000                        | ASHUELOT RIVER BELOW SURRY MT DAM, NEAR KEENE, NH  | 309                           | 113                            | 4.5            | 2.7             | 0.4                                      | 273%        | FALSE            | FALSE            | FALSE              |
| 01158600                        | OTTER BROOK BELOW OTTER BROOK DAM, NEAR KEENE, NH  | 121                           | 51.5                           | 1.6            | 1.1             | 0.3                                      | 235%        | FALSE            | FALSE            | FALSE              |
| 01160350                        | ASHUELOT RIVER AT WEST SWANZEY, NH                 | 639                           | 353                            | 32             | —               | —  | 181%        | FALSE            | FALSE            | FALSE              |

\*Flow duration and record low mean daily flow significantly affected by reservoir operations

\*\*Estimated

Source: USGS, NH DES

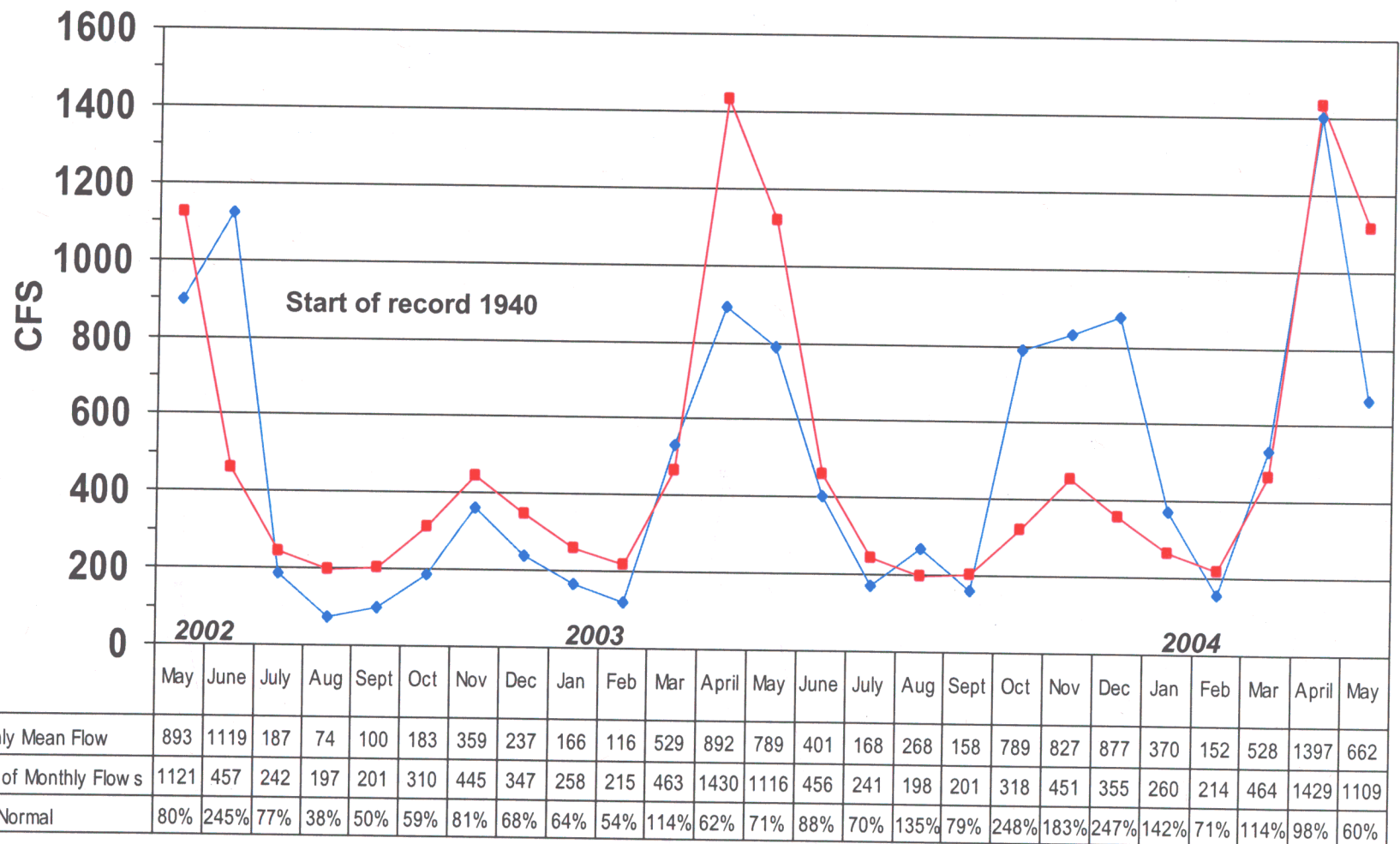
| SUMMARY | Below 0.99 Flow? | Below 7Q10 Flow? | Below Record Flow? |
|---------|------------------|------------------|--------------------|
| FALSE = | 33               | 37               | 20                 |
| TRUE =  | 0                | 0                | 0                  |

# UPPER AMMONOOSUC RIVER near GROVETON NH

## Gage# 01130000



MONTHLY MEAN FLOW COMPARED TO MEAN OF MONTHLY FLOWS



NH DES, Dam Bureau, Source: USGS(ice:11/02,12/02,01/03,02/03,03/03,04/03,12/03,01/04,02/04,03/04)

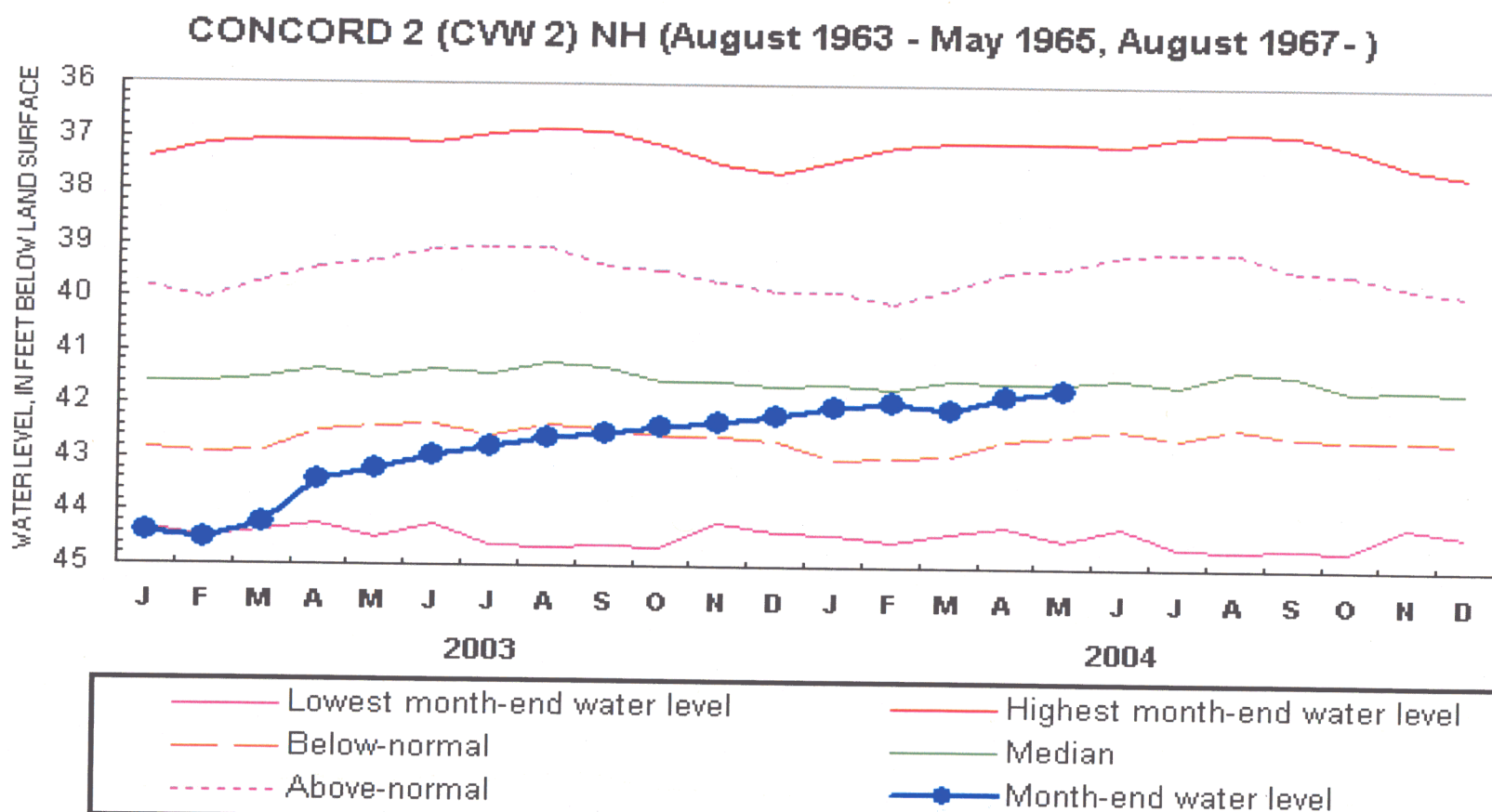


# New Hampshire Groundwater Levels for May 2004



| <u>WELL</u>   | <u>START OF WATER LEVEL BELOW</u><br><u>RECORD</u> | <u>SURFACE DATUM (ft)</u> | <u>NET CHANGE</u><br><u>IN ONE MONTH (ft)</u> | <u>NET CHANGE</u><br><u>IN ONE YEAR (ft)</u> | <u>MEDIAN</u> | <u>RANGE (ft)</u> | <u>DEPARTURE FROM</u><br><u>MONTHLY MEDIAN (FT)</u> | <u>PERCENT OF</u><br><u>RANGE</u> | <u>STATUS</u> |
|---------------|--|---------------------------|---|--|---------------|-------------------|---|-----------------------------------|---------------|
| ALBANY 14     | 1995   | 5.55                      | -0.98   | -0.25  | 5.30          | .55               | -0.25   | -45.5                             | NORMAL        |
| ALBANY 15     | 1995   | 7.51                      | -1.59   | -0.47  | 7.04          | .83               | -0.47   | -56.6                             | BELOW NORMAL  |
| BARNSTEAD 10  | 1995   | 2.04                      | +0.54   | +0.31  | ---           | ---               | ---   | ---                               | ---           |
| CAMPTON 34    | 1988   | 11.42                     | +0.03   | +0.33  | 11.86         | 1.06              | +0.44   | 41.5                              | NORMAL        |
| COLEBROOK 73  | 1995   | ---                       | ---   | ---  | 7.20          | ---               | ---   | ---                               | ---           |
| CONCORD 2     | 1963   | 41.67                     | +0.15   | +1.54  | 41.56         | 2.92              | -0.11   | -3.8                              | NORMAL        |
| CONCORD 4     | 1966   | 15.96                     | +0.10   | +0.04  | 16.25         | 1.95              | +0.29   | 14.9                              | NORMAL        |
| DEERFIELD 46  | 1984   | 37.53                     | -0.13   | +0.31  | 38.07         | 0.71              | +0.54   | 76.1                              | ABOVE NORMAL  |
| ENFIELD 30    | 1990   | 1.92                      | +0.27   | +0.35  | 3.15          | 1.39              | +1.23   | 88.5                              | ABOVE NORMAL  |
| ERROL 1       | 1966   | ---                       | ---   | ---  | 11.80         | ---               | ---   | ---                               | ---           |
| FRANKLIN 1    | 1966   | 9.87                      | +0.27   | +3.06  | 10.93         | 4.75              | +1.06   | 22.3                              | NORMAL        |
| GREENFIELD 75 | 1995   | 60.51                     | +0.95   | +1.59  | 60.43         | 4.58              | -0.08   | -1.7                              | NORMAL        |
| HOOKSETT 5    | 1965   | 47.29                     | -0.23   | -0.70  | 46.64         | 2.09              | -0.65   | -31.1                             | NORMAL        |
| KEENE 2       | 1963   | 3.42                      | -0.42   | -0.03  | 3.43          | 3.26              | +0.01   | 0.3                               | NORMAL        |
| LANCASTER 1   | 1966   | 0.10                      | +0.90   | +1.75  | 1.35          | 2.08              | +1.25   | 60.1                              | ABOVE NORMAL  |
| LEE 1         | 1953   | 29.90                     | +0.72   | +0.97  | 30.74         | 1.55              | +0.84   | 54.2                              | ABOVE NORMAL  |
| LISBON 19     | 1990   | 12.57                     | +0.33   | +0.95  | 13.49         | 1.13              | +0.92   | 81.4                              | ABOVE NORMAL  |
| NASHUA 218    | 1964   | 26.87                     | -0.66   | +0.09  | 27.39         | 1.29              | +0.52   | 40.3                              | ABOVE NORMAL  |
| NEW DURHAM 53 | 1986   | 18.66                     | -0.10   | +0.27  | 18.94         | 0.54              | +0.28   | 51.9                              | ABOVE NORMAL  |
| NEW LONDON 1  | 1947   | 6.21                      | -0.94   | +0.50  | 6.45          | 3.60              | +0.24   | 6.7                               | NORMAL        |
| NEWPORT 3     | 1995   | 4.57                      | +0.28   | +0.44  | 5.17          | 1.39              | +0.60   | 43.2                              | ABOVE NORMAL  |
| NEWPORT 6     | 1995   | 4.65                      | +0.27   | +0.45  | 5.20          | 1.45              | +0.55   | 37.9                              | NORMAL        |
| OSSIPEE 38    | 1995   | 34.80                     | +0.23   | +0.12  | 34.34         | 1.55              | -0.46   | -29.7                             | NORMAL        |
| SHELBURNE 2   | 1995   | 3.82                      | -0.37   | +0.49  | 3.91          | 1.11              | +0.09   | 8.1                               | NORMAL        |
| WARNER 1      | 1965   | 28.50                     | -0.40   | -0.55  | 28.37         | 2.71              | -0.13   | -4.8                              | NORMAL        |

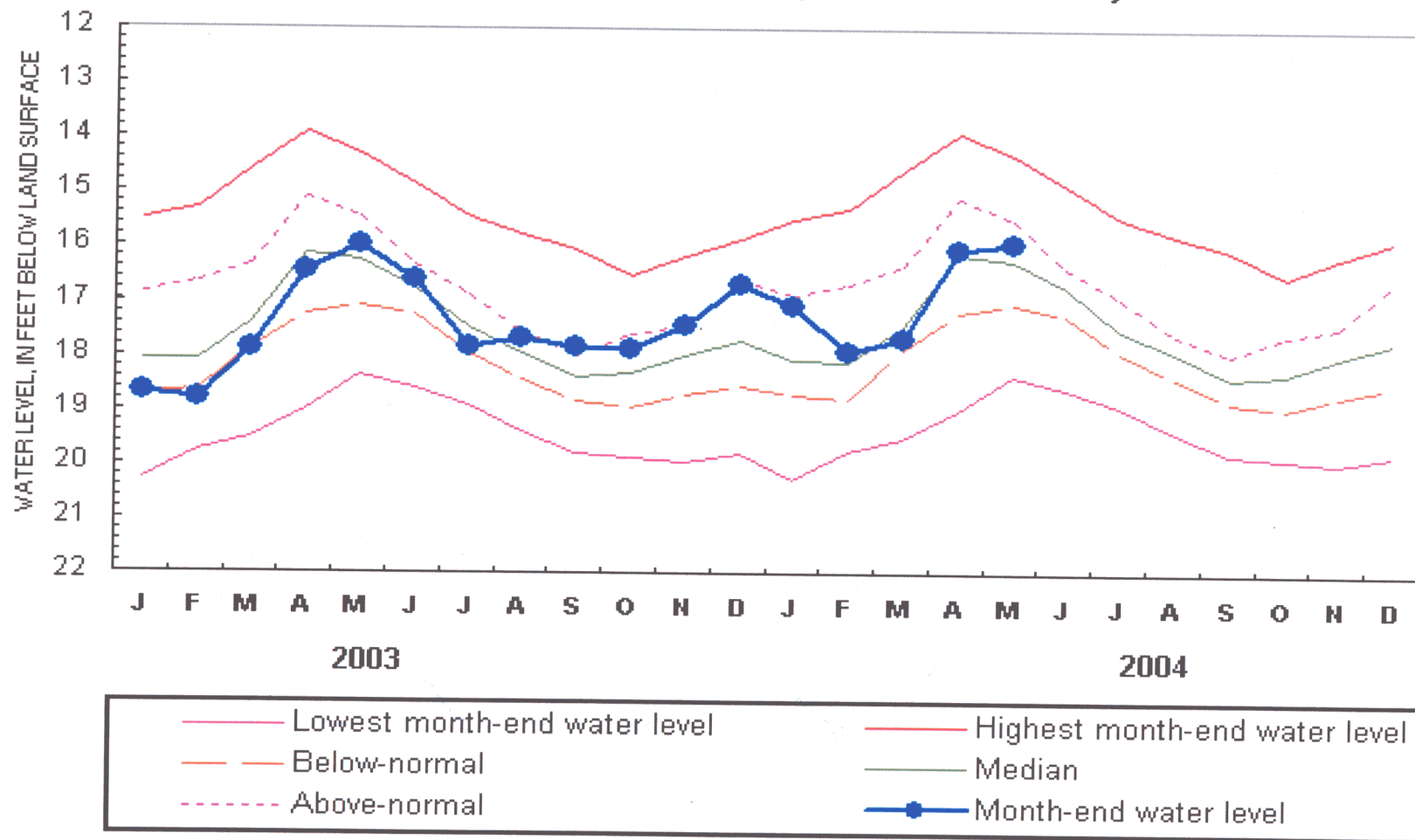
Source: USGS, NH DES



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.



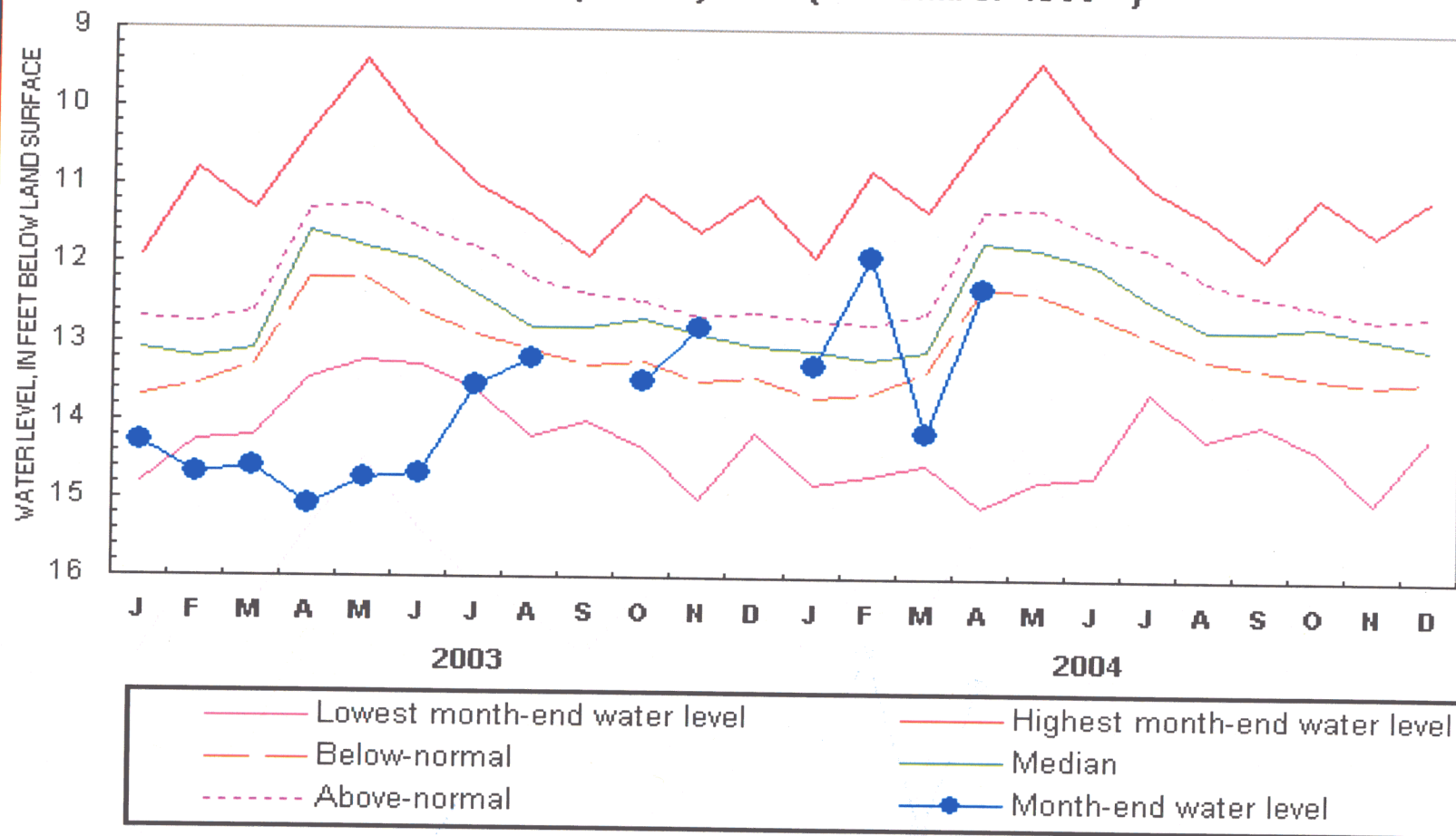
### CONCORD 4 (CVW 4) NH (November 1966 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

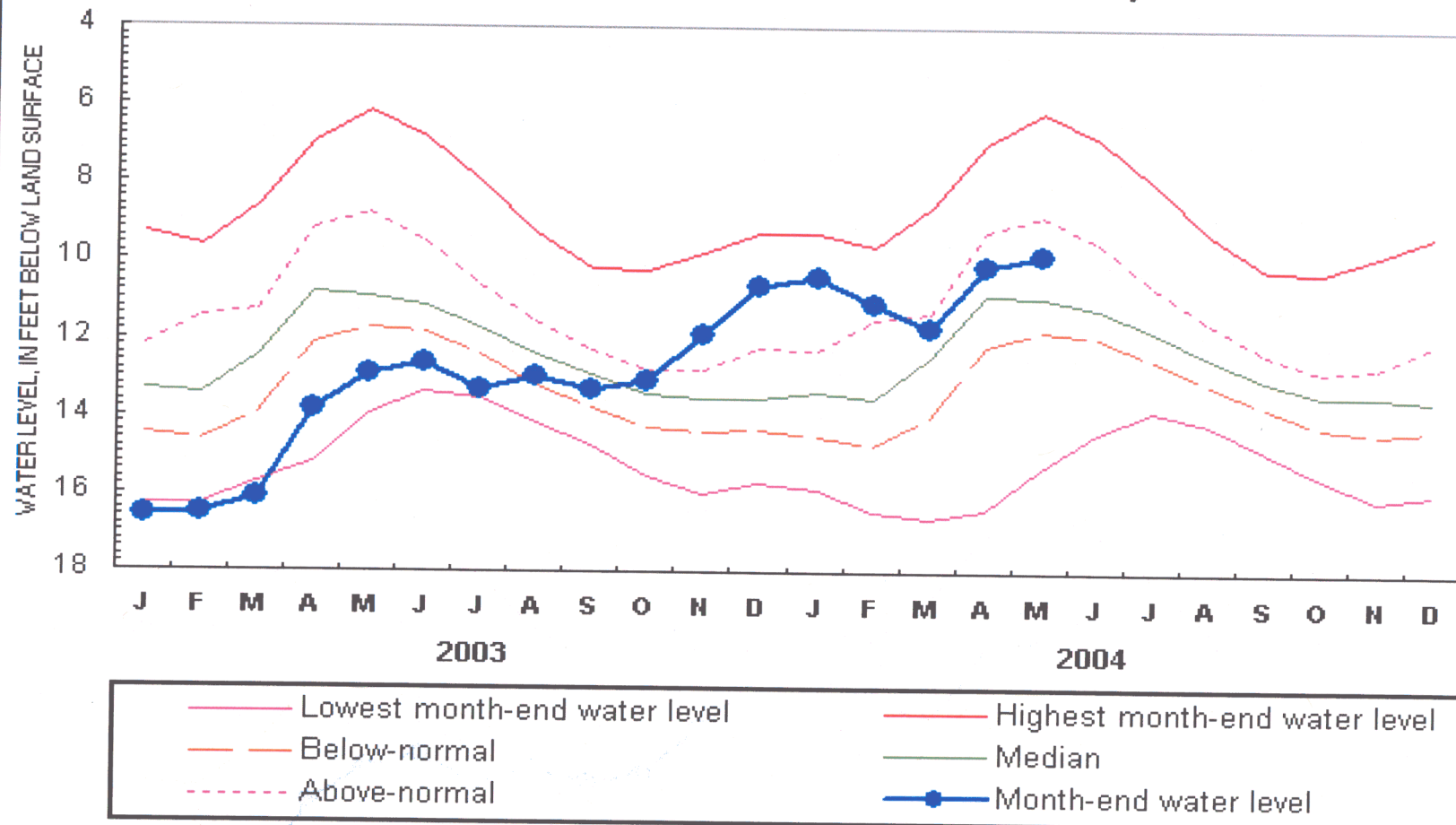


# ERROL 1 (ETW 1) NH (November 1966 - )



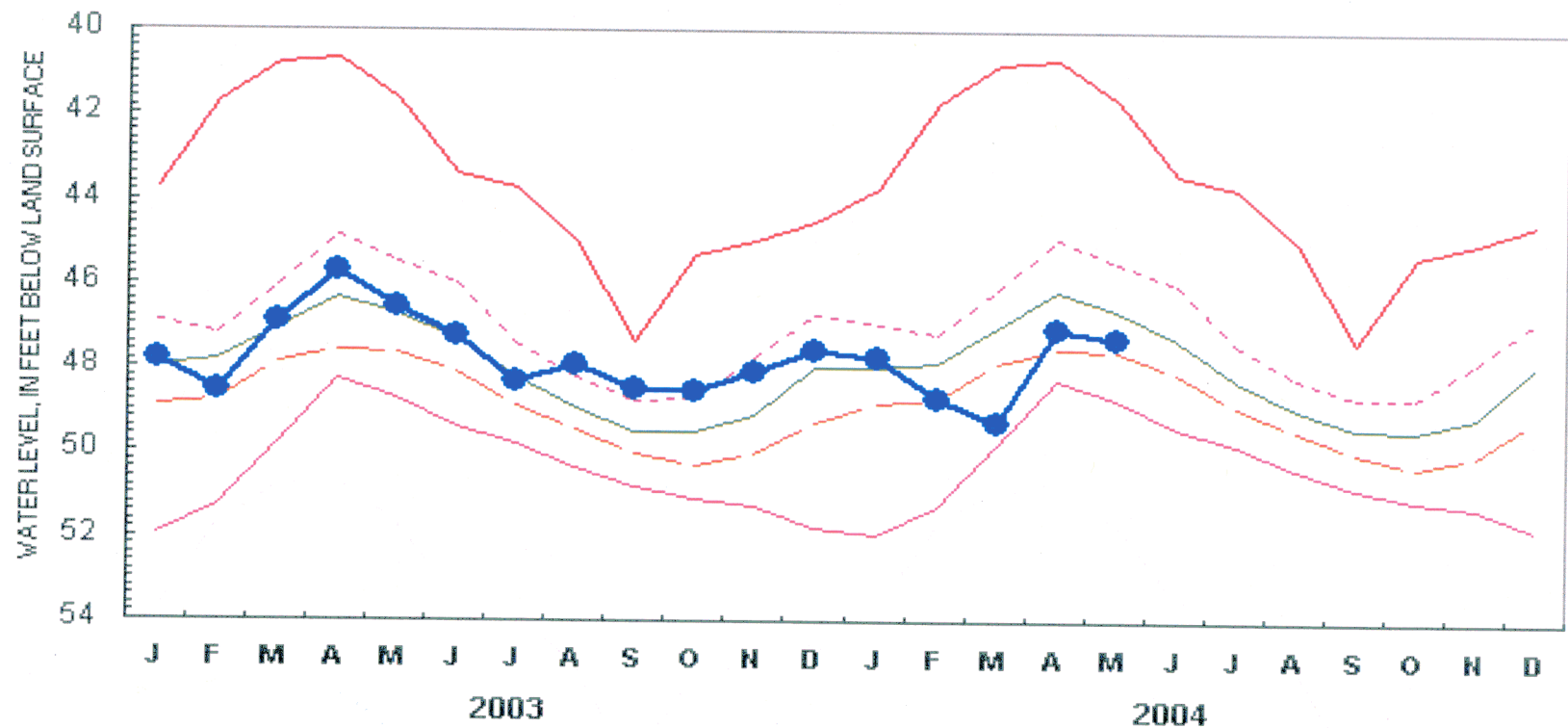
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

# FRANKLIN 1 (FKW 1) NH (October 1966 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

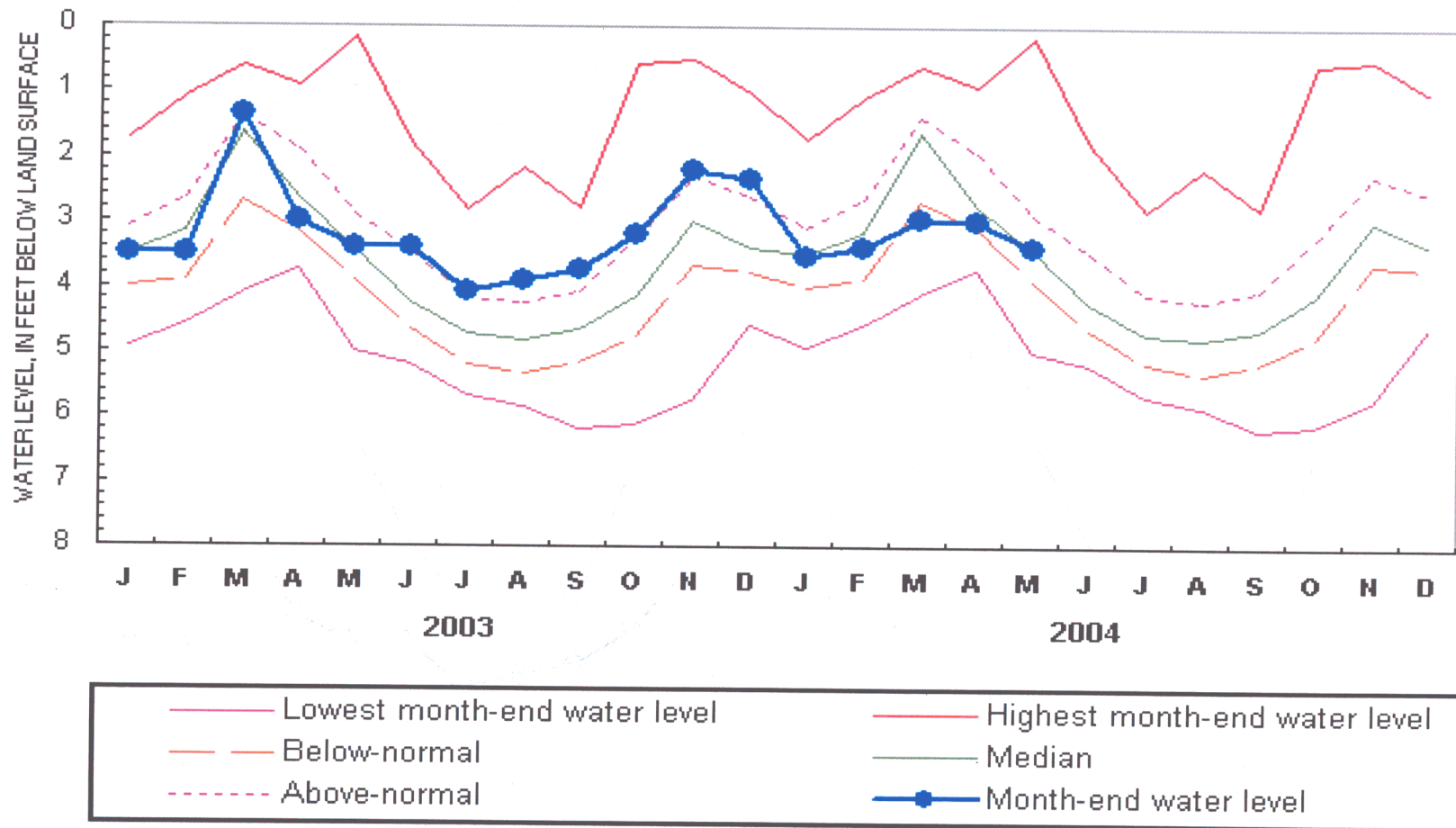
# HOOKSETT 5 (HTW 5) NH (April 1965 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

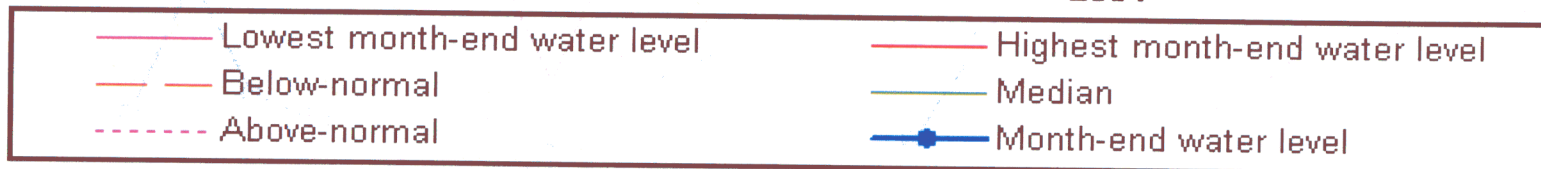
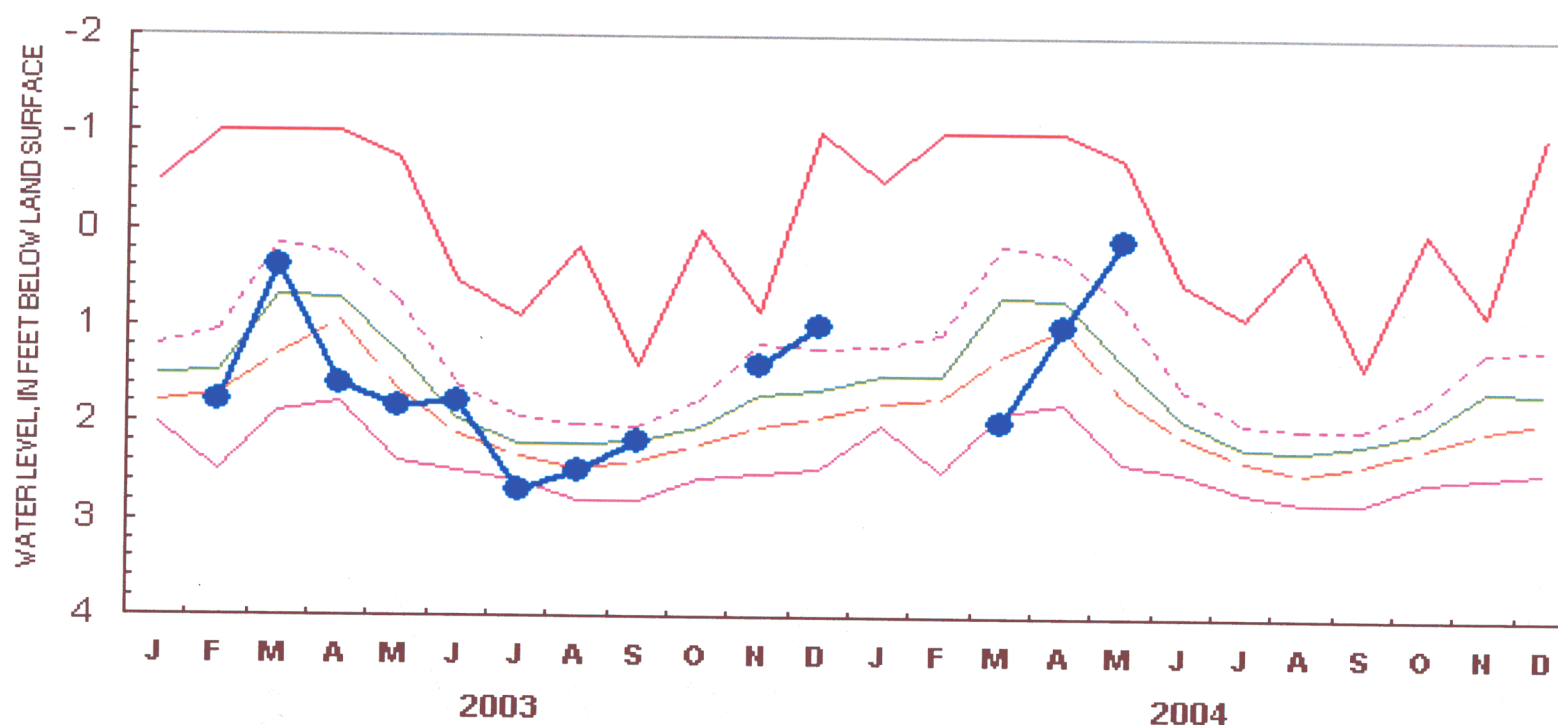


### KEENE 2 (KEW 2) NH (August 1963 - )



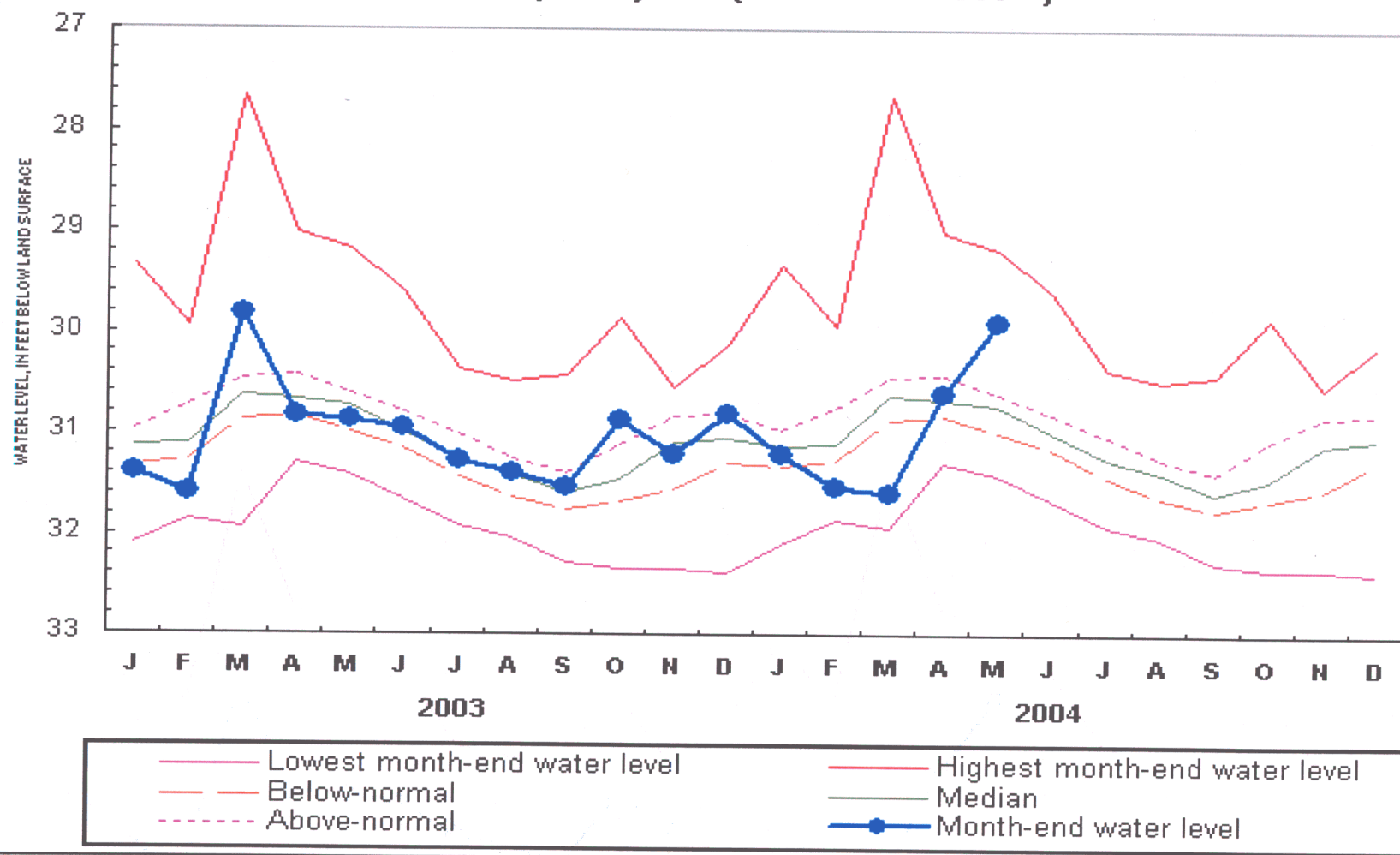
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

# LANCASTER 1 (LCW 1) NH (November 1966 - May 1980, April 1981)



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

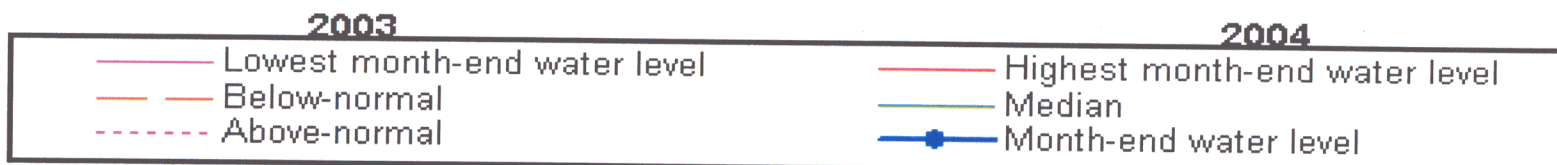
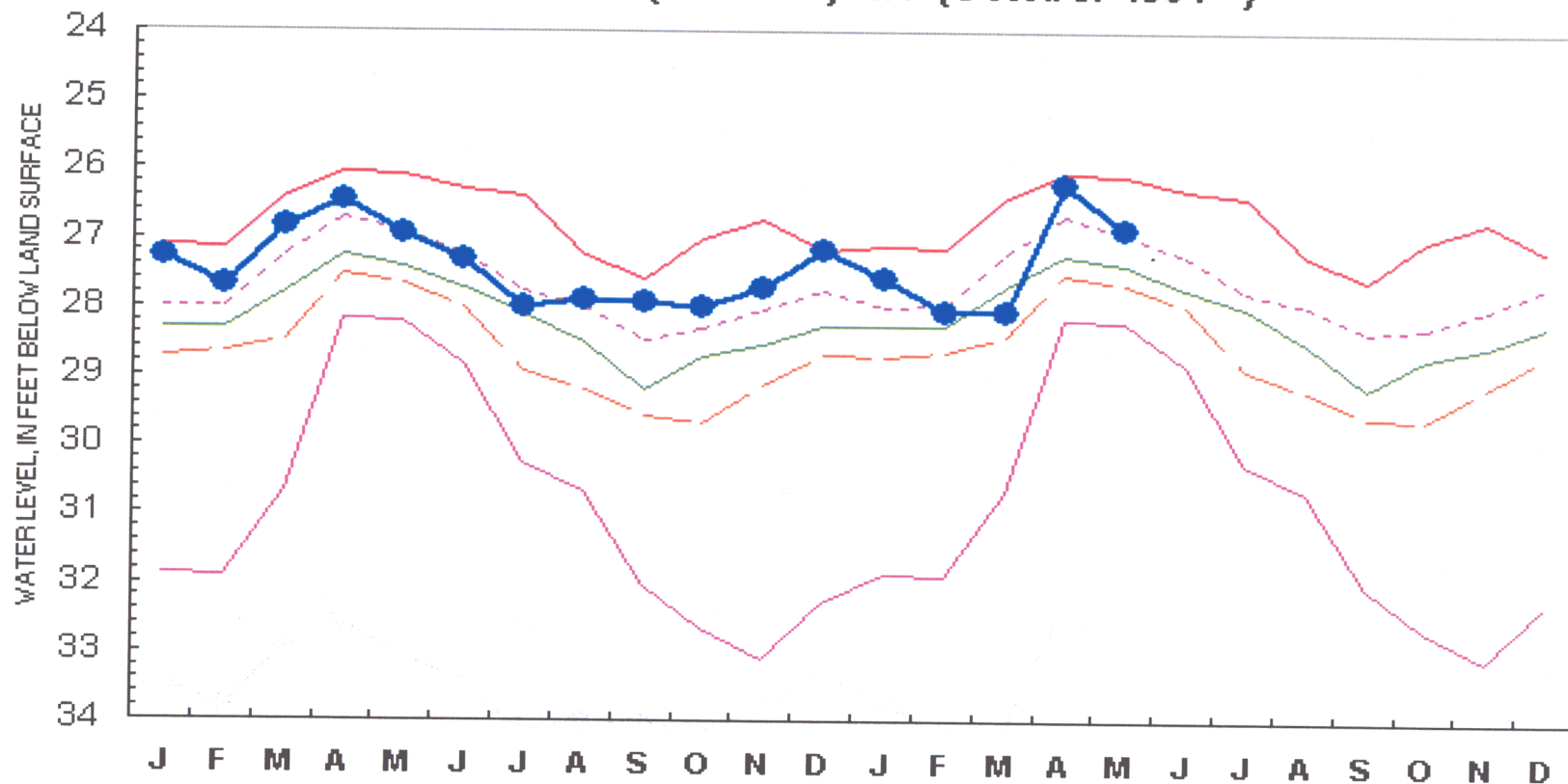
# LEE 1 (LIW 1) NH (November 1953 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

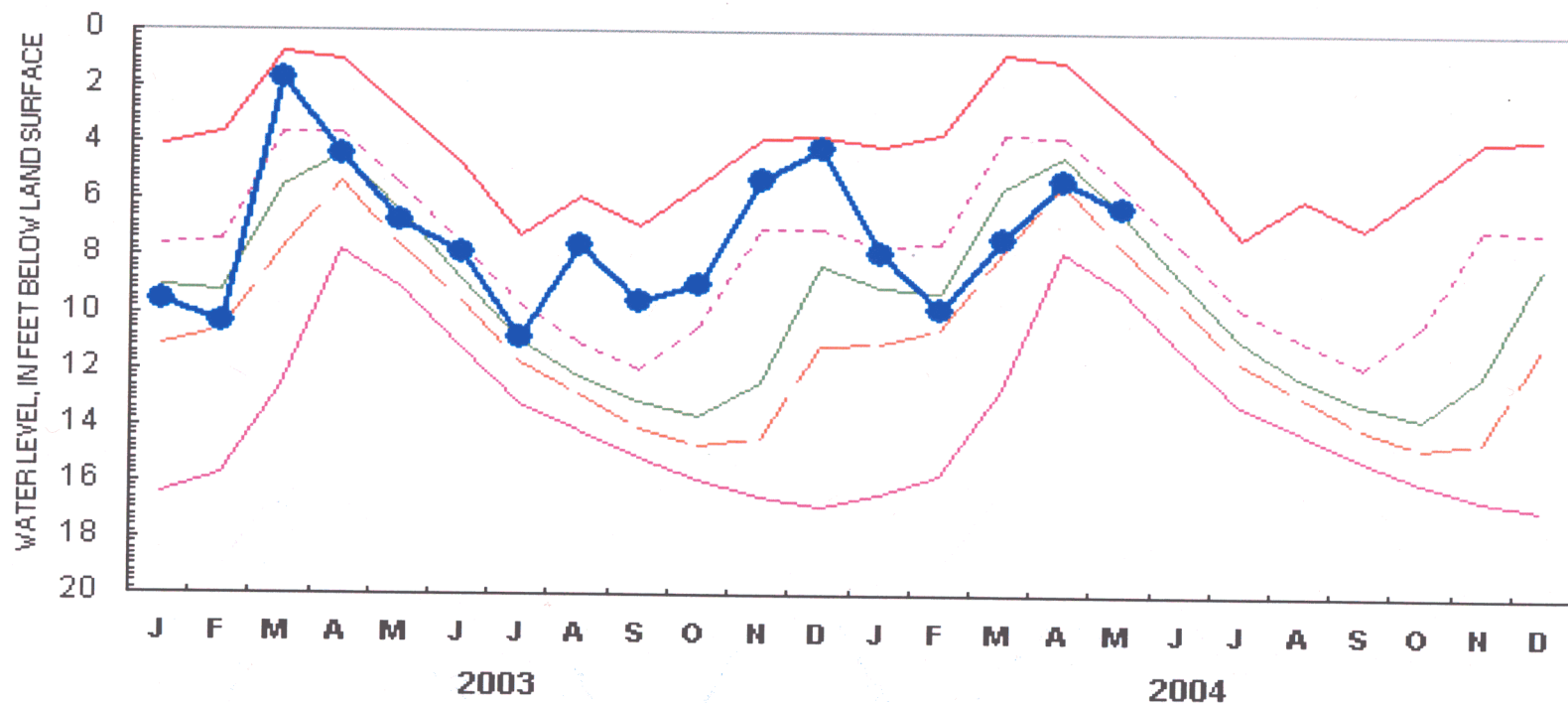


# NASHUA 218 (NAW 218) NH (October 1964 - )



Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

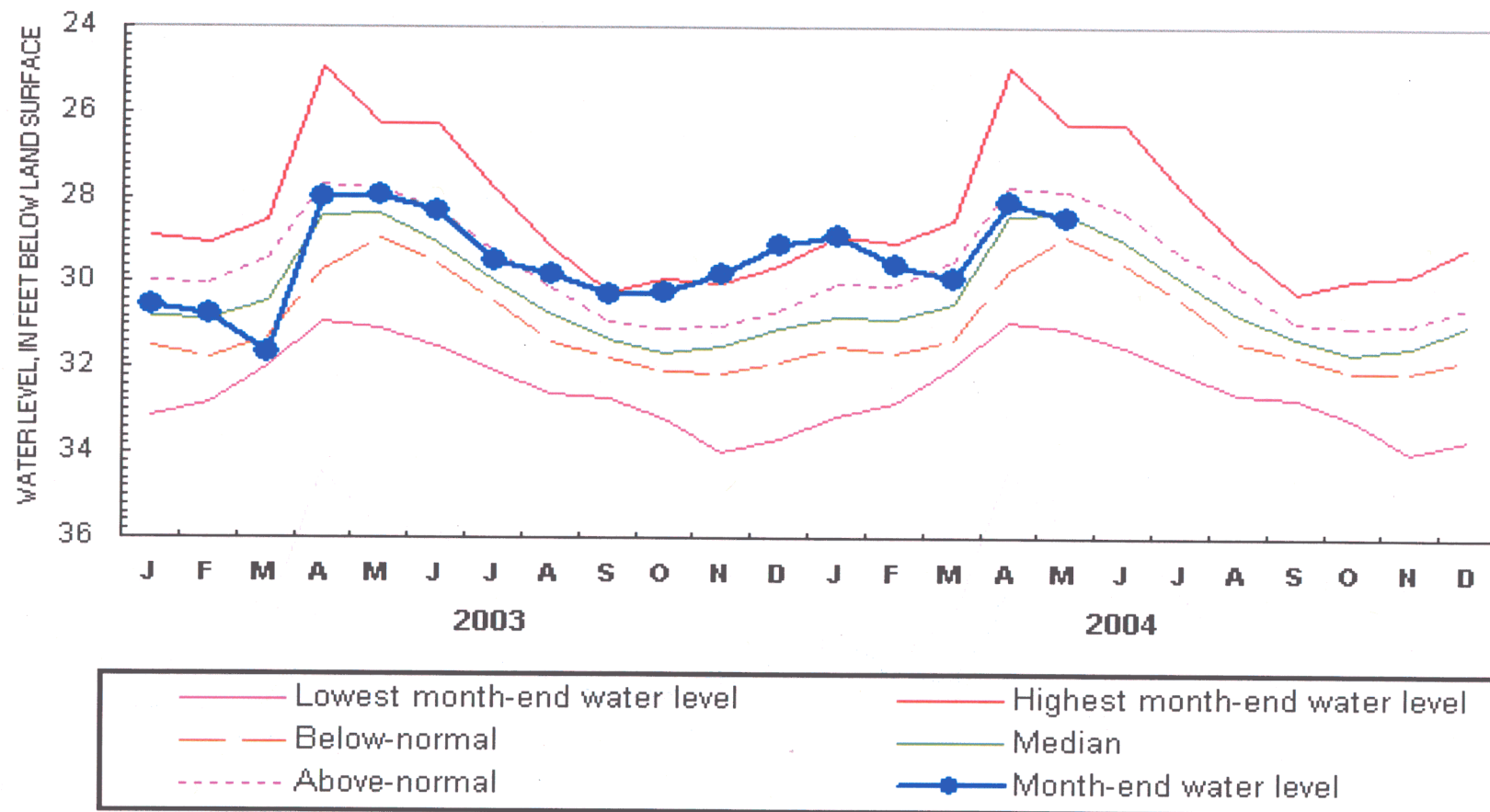
# NEW LONDON 1 (NLW 1) NH (October 1947 - )



|                                |                                 |
|--------------------------------|---------------------------------|
| — Lowest month-end water level | — Highest month-end water level |
| - - - Below-normal             | - - - Median                    |
| - - - Above-normal             | ● Month-end water level         |

Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.

# WARNER 1 (WCW 1) NH (December 1965 - )



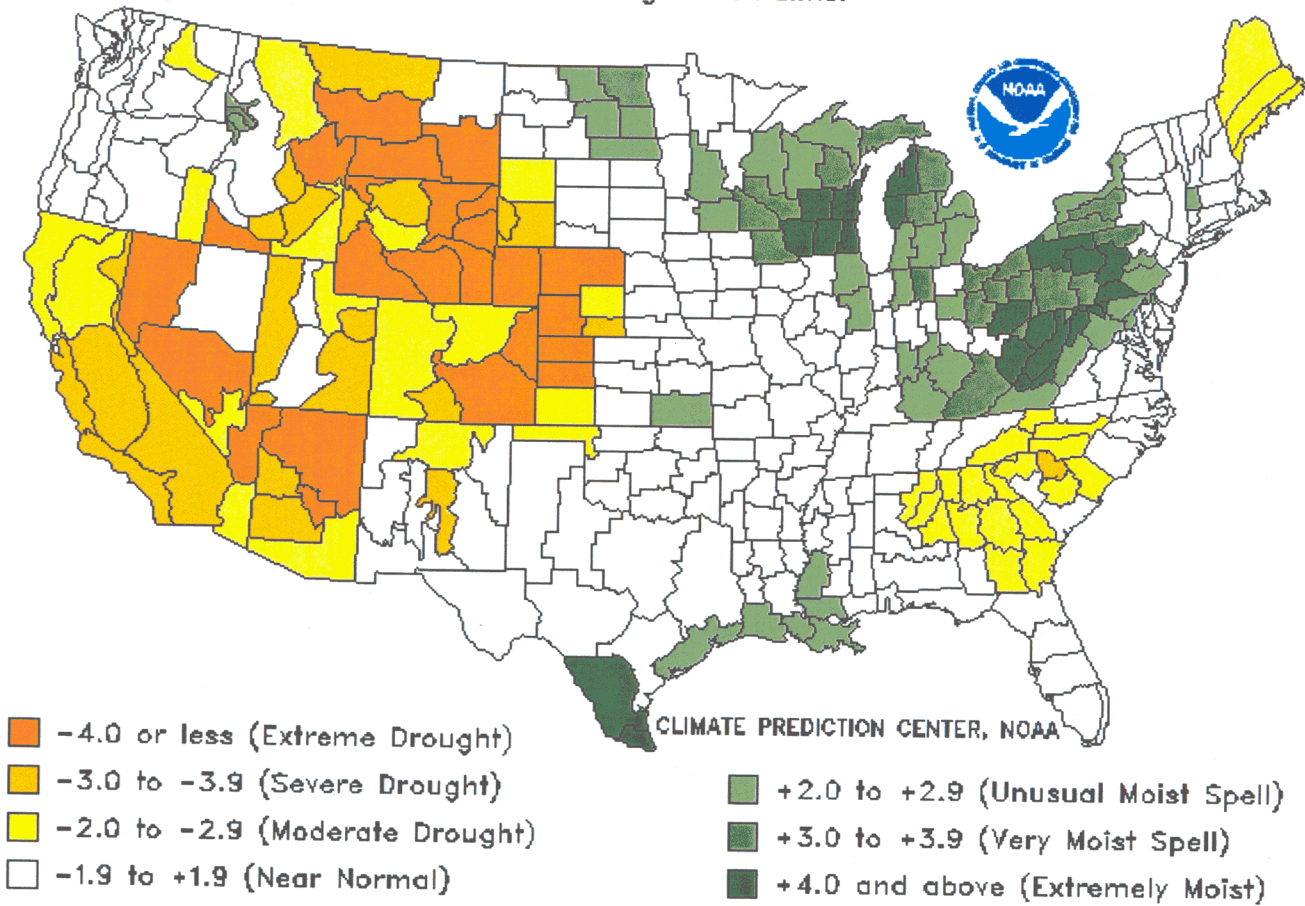
Highest and lowest month-end water levels are monthly extremes for the period of record  
 Above-normal is the 75% quartile (25% of month-end water levels were higher)  
 Below-normal is the 25% quartile (25% of month-end water levels were lower)  
 Median is the 50% quartile (half of the month-end water levels were higher or lower)  
 Water levels after September 2000 are provisional and subject to revision.



# Drought Severity Index by Division

Weekly Value for Period Ending 12 JUN 2004

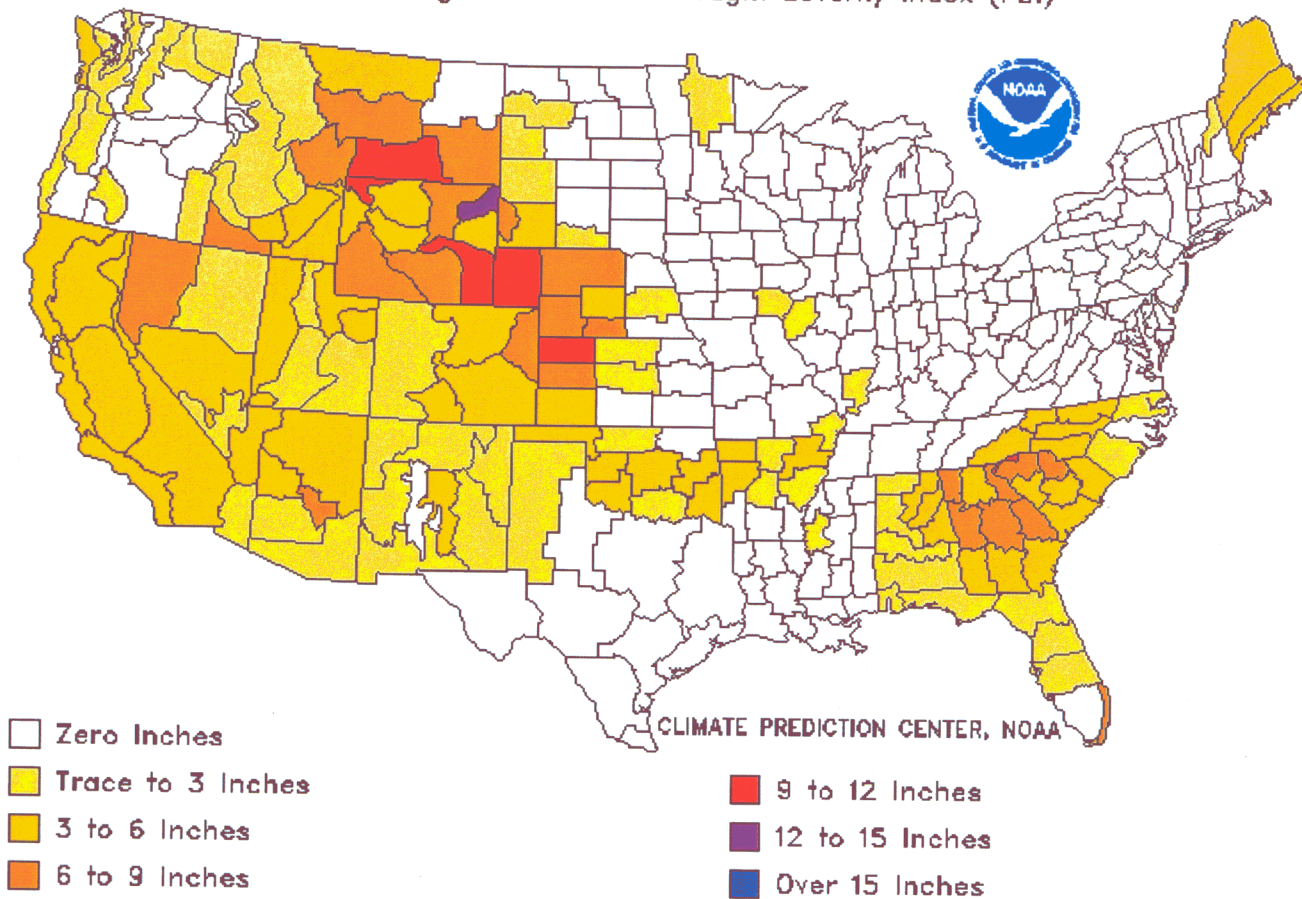
Long Term Palmer



## Additional Precip. Needed (In.) to Bring PDI to -0.5

Weekly Value for Period Ending 12 JUN 2004

Long Term Palmer Drought Severity Index (PDI)



This is the amount of rainfall required in a week's time to bring the index back to zero inches required.